

## Series AM2D-Z

### 2 Watt | DC-DC Converter



#### FEATURES:

- RoHS Compliant
- Low Ripple and Noise
- High Efficiency up to 82%
- 7 Pin SIP Package
- Operating Temperature -40°C to +85°C
- Pin Compatible with Multiple Manufacturers
- Isolation of 1000, 3000, 4000, 5200 & 6000 VDC



#### Models

##### Single output

| Model          | Input Voltage (V) | Output Voltage (V) | Output Current Max (mA) | Input Current Full Load typ.   No Load max.(mA) | Isolation (VDC) | Max Capacitive Load (μF) | Efficiency (%) |
|----------------|-------------------|--------------------|-------------------------|-------------------------------------------------|-----------------|--------------------------|----------------|
| AM2D-0503SZ    | 4.5-5.5           | 3.3                | 400                     | 367 30                                          | 1000            | 470                      | 72             |
| AM2D-0505SZ    | 4.5-5.5           | 5                  | 400                     | 512 30                                          | 1000            | 470                      | 78             |
| AM2D-0507SZ    | 4.5-5.5           | 7.2                | 277.7                   | 500 30                                          | 1000            | 470                      | 80             |
| AM2D-0509SZ    | 4.5-5.5           | 9                  | 222.2                   | 500 30                                          | 1000            | 470                      | 80             |
| AM2D-0512SZ    | 4.5-5.5           | 12                 | 166.7                   | 487 30                                          | 1000            | 470                      | 82             |
| AM2D-0515SZ    | 4.5-5.5           | 15                 | 133.3                   | 487 30                                          | 1000            | 470                      | 82             |
| AM2D-0518SZ    | 4.5-5.5           | 18                 | 111.1                   | 487 30                                          | 1000            | 470                      | 82             |
| AM2D-0524SZ    | 4.5-5.5           | 24                 | 83.3                    | 487 30                                          | 1000            | 470                      | 82             |
| AM2D-1203SZ    | 10.8-13.2         | 3.3                | 400                     | 169 36                                          | 1000            | 470                      | 65             |
| AM2D-1205SZ    | 10.8-13.2         | 5                  | 400                     | 216 20                                          | 1000            | 470                      | 77             |
| AM2D-1207SZ    | 10.8-13.2         | 7.2                | 277.7                   | 208 20                                          | 1000            | 470                      | 80             |
| AM2D-1209SZ    | 10.8-13.2         | 9                  | 222.2                   | 208 20                                          | 1000            | 470                      | 80             |
| AM2D-1212SZ    | 10.8-13.2         | 12                 | 166.7                   | 203 20                                          | 1000            | 470                      | 82             |
| AM2D-1215SZ    | 10.8-13.2         | 15                 | 133.3                   | 203 20                                          | 1000            | 470                      | 82             |
| AM2D-1218SZ    | 10.8-13.2         | 18                 | 111.1                   | 208 20                                          | 1000            | 470                      | 80             |
| AM2D-1224SZ    | 10.8-13.2         | 24                 | 83.3                    | 208 20                                          | 1000            | 470                      | 80             |
| AM2D-2403SZ    | 21.6-26.4         | 3.3                | 400                     | 76 10                                           | 1000            | 470                      | 72             |
| AM2D-2405SZ    | 21.6-26.4         | 5                  | 400                     | 105 10                                          | 1000            | 470                      | 79             |
| AM2D-2407SZ    | 21.6-26.4         | 7.2                | 277.7                   | 104 10                                          | 1000            | 470                      | 80             |
| AM2D-2409SZ    | 21.6-26.4         | 9                  | 222.2                   | 104 10                                          | 1000            | 470                      | 80             |
| AM2D-2412SZ    | 21.6-26.4         | 12                 | 166.7                   | 102 10                                          | 1000            | 470                      | 80             |
| AM2D-2415SZ    | 21.6-26.4         | 15                 | 133.3                   | 101 10                                          | 1000            | 470                      | 82             |
| AM2D-2418SZ    | 21.6-26.4         | 18                 | 111.1                   | 101 10                                          | 1000            | 470                      | 82             |
| AM2D-2424SZ    | 21.6-26.4         | 24                 | 83.3                    | 104 10                                          | 1000            | 470                      | 80             |
| AM2D-0503SH30Z | 4.5-5.5           | 3.3                | 400                     | 367 30                                          | 3000            | 470                      | 72             |
| AM2D-0505SH30Z | 4.5-5.5           | 5                  | 400                     | 512 30                                          | 3000            | 470                      | 78             |
| AM2D-0507SH30Z | 4.5-5.5           | 7.2                | 277.7                   | 500 30                                          | 3000            | 470                      | 80             |
| AM2D-0509SH30Z | 4.5-5.5           | 9                  | 222.2                   | 500 30                                          | 3000            | 470                      | 80             |
| AM2D-0512SH30Z | 4.5-5.5           | 12                 | 166.7                   | 487 30                                          | 3000            | 470                      | 82             |
| AM2D-0515SH30Z | 4.5-5.5           | 15                 | 133.3                   | 487 30                                          | 3000            | 470                      | 82             |
| AM2D-0518SH30Z | 4.5-5.5           | 18                 | 111.1                   | 487 30                                          | 3000            | 470                      | 82             |
| AM2D-0524SH30Z | 4.5-5.5           | 24                 | 83.3                    | 487 30                                          | 3000            | 470                      | 82             |
| AM2D-1203SH30Z | 10.8-13.2         | 3.3                | 400                     | 169 36                                          | 3000            | 470                      | 65             |
| AM2D-1205SH30Z | 10.8-13.2         | 5                  | 400                     | 216 20                                          | 3000            | 470                      | 77             |
| AM2D-1207SH30Z | 10.8-13.2         | 7.2                | 277.7                   | 208 20                                          | 3000            | 470                      | 80             |
| AM2D-1209SH30Z | 10.8-13.2         | 9                  | 222.2                   | 208 20                                          | 3000            | 470                      | 80             |
| AM2D-1212SH30Z | 10.8-13.2         | 12                 | 166.7                   | 203 20                                          | 3000            | 470                      | 82             |
| AM2D-1215SH30Z | 10.8-13.2         | 15                 | 133.3                   | 203 20                                          | 3000            | 470                      | 82             |
| AM2D-1218SH30Z | 10.8-13.2         | 18                 | 111.1                   | 208 20                                          | 3000            | 470                      | 80             |
| AM2D-1224SH30Z | 10.8-13.2         | 24                 | 83.3                    | 208 20                                          | 3000            | 470                      | 80             |
| AM2D-2403SH30Z | 21.6-26.4         | 3.3                | 400                     | 76 10                                           | 3000            | 470                      | 72             |
| AM2D-2405SH30Z | 21.6-26.4         | 5                  | 400                     | 105 10                                          | 3000            | 470                      | 79             |
| AM2D-2407SH30Z | 21.6-26.4         | 7.2                | 277.7                   | 104 10                                          | 3000            | 470                      | 80             |
| AM2D-2409SH30Z | 21.6-26.4         | 9                  | 222.2                   | 104 10                                          | 3000            | 470                      | 80             |
| AM2D-2412SH30Z | 21.6-26.4         | 12                 | 166.7                   | 102 10                                          | 3000            | 470                      | 80             |
| AM2D-2415SH30Z | 21.6-26.4         | 15                 | 133.3                   | 101 10                                          | 3000            | 470                      | 82             |

## Models

### Single output (continued)

| Model          | Input Voltage (V) | Output Voltage (V) | Output Current Max (mA) | Input Current Full Load typ.   No Load max.(mA) | Isolation (VDC) | Max Capacitive Load (μF) | Efficiency (%) |
|----------------|-------------------|--------------------|-------------------------|-------------------------------------------------|-----------------|--------------------------|----------------|
| AM2D-2418SH30Z | 21.6-26.4         | 18                 | 111.1                   | 101 10                                          | 3000            | 470                      | 82             |
| AM2D-2424SH30Z | 21.6-26.4         | 24                 | 83.3                    | 104 10                                          | 3000            | 470                      | 80             |
| AM2D-0503SH40Z | 4.5-5.5           | 3.3                | 400                     | 367 30                                          | 4000            | 470                      | 72             |
| AM2D-0505SH40Z | 4.5-5.5           | 5                  | 400                     | 512 30                                          | 4000            | 470                      | 78             |
| AM2D-0507SH40Z | 4.5-5.5           | 7.2                | 277.7                   | 500 30                                          | 4000            | 470                      | 80             |
| AM2D-0509SH40Z | 4.5-5.5           | 9                  | 222.2                   | 500 30                                          | 4000            | 470                      | 80             |
| AM2D-0512SH40Z | 4.5-5.5           | 12                 | 166.7                   | 487 30                                          | 4000            | 470                      | 82             |
| AM2D-0515SH40Z | 4.5-5.5           | 15                 | 133.3                   | 487 30                                          | 4000            | 470                      | 82             |
| AM2D-0518SH40Z | 4.5-5.5           | 18                 | 111.1                   | 487 30                                          | 4000            | 470                      | 82             |
| AM2D-0524SH40Z | 4.5-5.5           | 24                 | 83.3                    | 487 30                                          | 4000            | 470                      | 82             |
| AM2D-1203SH40Z | 10.8-13.2         | 3.3                | 400                     | 169 36                                          | 4000            | 470                      | 65             |
| AM2D-1205SH40Z | 10.8-13.2         | 5                  | 400                     | 216 20                                          | 4000            | 470                      | 77             |
| AM2D-1207SH40Z | 10.8-13.2         | 7.2                | 277.7                   | 208 20                                          | 4000            | 470                      | 80             |
| AM2D-1209SH40Z | 10.8-13.2         | 9                  | 222.2                   | 208 20                                          | 4000            | 470                      | 80             |
| AM2D-1212SH40Z | 10.8-13.2         | 12                 | 166.7                   | 203 20                                          | 4000            | 470                      | 82             |
| AM2D-1215SH40Z | 10.8-13.2         | 15                 | 133.3                   | 203 20                                          | 4000            | 470                      | 82             |
| AM2D-1218SH40Z | 10.8-13.2         | 18                 | 111.1                   | 208 20                                          | 4000            | 470                      | 80             |
| AM2D-1224SH40Z | 10.8-13.2         | 24                 | 83.3                    | 208 20                                          | 4000            | 470                      | 80             |
| AM2D-2403SH40Z | 21.6-26.4         | 3.3                | 400                     | 76 10                                           | 4000            | 470                      | 72             |
| AM2D-2405SH40Z | 21.6-26.4         | 5                  | 400                     | 105 10                                          | 4000            | 470                      | 79             |
| AM2D-2407SH40Z | 21.6-26.4         | 7.2                | 277.7                   | 104 10                                          | 4000            | 470                      | 80             |
| AM2D-2409SH40Z | 21.6-26.4         | 9                  | 222.2                   | 104 10                                          | 4000            | 470                      | 80             |
| AM2D-2412SH40Z | 21.6-26.4         | 12                 | 166.7                   | 102 10                                          | 4000            | 470                      | 80             |
| AM2D-2415SH40Z | 21.6-26.4         | 15                 | 133.3                   | 101 10                                          | 4000            | 470                      | 82             |
| AM2D-2418SH40Z | 21.6-26.4         | 18                 | 111.1                   | 101 10                                          | 4000            | 470                      | 82             |
| AM2D-2424SH40Z | 21.6-26.4         | 24                 | 83.3                    | 104 10                                          | 4000            | 470                      | 80             |
| AM2D-0503SH52Z | 4.5-5.5           | 3.3                | 400                     | 367 30                                          | 5200            | 470                      | 72             |
| AM2D-0505SH52Z | 4.5-5.5           | 5                  | 400                     | 512 30                                          | 5200            | 470                      | 78             |
| AM2D-0507SH52Z | 4.5-5.5           | 7.2                | 277.7                   | 500 30                                          | 5200            | 470                      | 80             |
| AM2D-0509SH52Z | 4.5-5.5           | 9                  | 222.2                   | 500 30                                          | 5200            | 470                      | 80             |
| AM2D-0512SH52Z | 4.5-5.5           | 12                 | 166.7                   | 487 30                                          | 5200            | 470                      | 82             |
| AM2D-0515SH52Z | 4.5-5.5           | 15                 | 133.3                   | 487 30                                          | 5200            | 470                      | 82             |
| AM2D-0518SH52Z | 4.5-5.5           | 18                 | 111.1                   | 487 30                                          | 5200            | 470                      | 82             |
| AM2D-0524SH52Z | 4.5-5.5           | 24                 | 83.3                    | 487 30                                          | 5200            | 470                      | 82             |
| AM2D-1203SH52Z | 10.8-13.2         | 3.3                | 400                     | 169 36                                          | 5200            | 470                      | 65             |
| AM2D-1205SH52Z | 10.8-13.2         | 5                  | 400                     | 216 20                                          | 5200            | 470                      | 77             |
| AM2D-1207SH52Z | 10.8-13.2         | 7.2                | 277.7                   | 208 20                                          | 5200            | 470                      | 80             |
| AM2D-1209SH52Z | 10.8-13.2         | 9                  | 222.2                   | 208 20                                          | 5200            | 470                      | 80             |
| AM2D-1212SH52Z | 10.8-13.2         | 12                 | 166.7                   | 203 20                                          | 5200            | 470                      | 82             |
| AM2D-1215SH52Z | 10.8-13.2         | 15                 | 133.3                   | 203 20                                          | 5200            | 470                      | 82             |
| AM2D-1218SH52Z | 10.8-13.2         | 18                 | 111.1                   | 208 20                                          | 5200            | 470                      | 80             |
| AM2D-1224SH52Z | 10.8-13.2         | 24                 | 83.3                    | 208 20                                          | 5200            | 470                      | 80             |
| AM2D-2403SH52Z | 21.6-26.4         | 3.3                | 400                     | 76 10                                           | 5200            | 470                      | 72             |
| AM2D-2405SH52Z | 21.6-26.4         | 5                  | 400                     | 105 10                                          | 5200            | 470                      | 79             |
| AM2D-2407SH52Z | 21.6-26.4         | 7.2                | 277.7                   | 104 10                                          | 5200            | 470                      | 80             |
| AM2D-2409SH52Z | 21.6-26.4         | 9                  | 222.2                   | 104 10                                          | 5200            | 470                      | 80             |
| AM2D-2412SH52Z | 21.6-26.4         | 12                 | 166.7                   | 102 10                                          | 5200            | 470                      | 80             |
| AM2D-2415SH52Z | 21.6-26.4         | 15                 | 133.3                   | 101 10                                          | 5200            | 470                      | 82             |
| AM2D-2418SH52Z | 21.6-26.4         | 18                 | 111.1                   | 101 10                                          | 5200            | 470                      | 82             |
| AM2D-2424SH52Z | 21.6-26.4         | 24                 | 83.3                    | 104 10                                          | 5200            | 470                      | 80             |

## Models

### Single output (continued)

| Model          | Input Voltage (V) | Output Voltage (V) | Output Current Max (mA) | Input Current Full Load typ.   No Load max.(mA) |    | Isolation (VDC) | Max Capacitive Load (μF) | Efficiency (%) |
|----------------|-------------------|--------------------|-------------------------|-------------------------------------------------|----|-----------------|--------------------------|----------------|
| AM2D-0503SH60Z | 4.5-5.5           | 3.3                | 400                     | 500                                             | 30 | 6000            | 470                      | 72             |
| AM2D-0505SH60Z | 4.5-5.5           | 5                  | 400                     | 487                                             | 30 | 6000            | 470                      | 78             |
| AM2D-0507SH60Z | 4.5-5.5           | 7.2                | 277.7                   | 487                                             | 30 | 6000            | 470                      | 80             |
| AM2D-0509SH60Z | 4.5-5.5           | 9                  | 222.2                   | 487                                             | 30 | 6000            | 470                      | 80             |
| AM2D-0512SH60Z | 4.5-5.5           | 12                 | 166.7                   | 487                                             | 30 | 6000            | 470                      | 82             |
| AM2D-0515SH60Z | 4.5-5.5           | 15                 | 133.3                   | 169                                             | 36 | 6000            | 470                      | 82             |
| AM2D-0518SH60Z | 4.5-5.5           | 18                 | 111.1                   | 216                                             | 20 | 6000            | 470                      | 82             |
| AM2D-0524SH60Z | 4.5-5.5           | 24                 | 83.3                    | 208                                             | 20 | 6000            | 470                      | 82             |
| AM2D-1203SH60Z | 10.8-13.2         | 3.3                | 400                     | 208                                             | 20 | 6000            | 470                      | 65             |
| AM2D-1205SH60Z | 10.8-13.2         | 5                  | 400                     | 203                                             | 20 | 6000            | 470                      | 77             |
| AM2D-1207SH60Z | 10.8-13.2         | 7.2                | 277.7                   | 203                                             | 20 | 6000            | 470                      | 80             |
| AM2D-1209SH60Z | 10.8-13.2         | 9                  | 222.2                   | 208                                             | 20 | 6000            | 470                      | 80             |
| AM2D-1212SH60Z | 10.8-13.2         | 12                 | 166.7                   | 208                                             | 20 | 6000            | 470                      | 82             |
| AM2D-1215SH60Z | 10.8-13.2         | 15                 | 133.3                   | 76                                              | 10 | 6000            | 470                      | 82             |
| AM2D-1218SH60Z | 10.8-13.2         | 18                 | 111.1                   | 105                                             | 10 | 6000            | 470                      | 80             |
| AM2D-1224SH60Z | 10.8-13.2         | 24                 | 83.3                    | 104                                             | 10 | 6000            | 470                      | 80             |
| AM2D-2403SH60Z | 21.6-26.4         | 3.3                | 400                     | 104                                             | 10 | 6000            | 470                      | 72             |
| AM2D-2405SH60Z | 21.6-26.4         | 5                  | 400                     | 102                                             | 10 | 6000            | 470                      | 79             |
| AM2D-2407SH60Z | 21.6-26.4         | 7.2                | 277.7                   | 101                                             | 10 | 6000            | 470                      | 80             |
| AM2D-2409SH60Z | 21.6-26.4         | 9                  | 222.2                   | 101                                             | 10 | 6000            | 470                      | 80             |
| AM2D-2412SH60Z | 21.6-26.4         | 12                 | 166.7                   | 104                                             | 10 | 6000            | 470                      | 80             |
| AM2D-2415SH60Z | 21.6-26.4         | 15                 | 133.3                   | 45                                              | 6  | 6000            | 470                      | 82             |
| AM2D-2418SH60Z | 21.6-26.4         | 18                 | 111.1                   | 102                                             | 10 | 6000            | 470                      | 82             |
| AM2D-2424SH60Z | 21.6-26.4         | 24                 | 83.3                    | 100                                             | 13 | 6000            | 470                      | 80             |

## Models

### Dual output

| Model       | Input Voltage (V) | Output Voltage (V) | Output Current Max (mA) | Input Current Full Load typ.   No Load max.(mA) |    | Isolation (VDC) | Max Capacitive Load (μF) | Efficiency (%) |
|-------------|-------------------|--------------------|-------------------------|-------------------------------------------------|----|-----------------|--------------------------|----------------|
| AM2D-0503DZ | 4.5-5.5           | ±3.3               | ±200                    | 406                                             | 30 | 1000            | ±220                     | 65             |
| AM2D-0505DZ | 4.5-5.5           | ±5                 | ±200                    | 555                                             | 30 | 1000            | ±220                     | 72             |
| AM2D-0507DZ | 4.5-5.5           | ±7.2               | ±138.8                  | 555                                             | 30 | 1000            | ±220                     | 72             |
| AM2D-0509DZ | 4.5-5.5           | ±9                 | ±111.1                  | 519                                             | 30 | 1000            | ±220                     | 77             |
| AM2D-0512DZ | 4.5-5.5           | ±12                | ±83.3                   | 512                                             | 38 | 1000            | ±220                     | 78             |
| AM2D-0515DZ | 4.5-5.5           | ±15                | ±66.7                   | 500                                             | 30 | 1000            | ±220                     | 80             |
| AM2D-0518DZ | 4.5-5.5           | ±18                | ±55.6                   | 500                                             | 30 | 1000            | ±220                     | 80             |
| AM2D-0524DZ | 4.5-5.5           | ±24                | ±41.7                   | 500                                             | 30 | 1000            | ±220                     | 80             |
| AM2D-1203DZ | 10.8-13.2         | ±3.3               | ±200                    | 164                                             | 20 | 1000            | ±220                     | 67             |
| AM2D-1205DZ | 10.8-13.2         | ±5                 | ±200                    | 222                                             | 20 | 1000            | ±220                     | 75             |
| AM2D-1207DZ | 10.8-13.2         | ±7.2               | ±138.8                  | 219                                             | 20 | 1000            | ±220                     | 76             |
| AM2D-1209DZ | 10.8-13.2         | ±9                 | ±111.1                  | 216                                             | 20 | 1000            | ±220                     | 77             |
| AM2D-1212DZ | 10.8-13.2         | ±12                | ±83.3                   | 203                                             | 20 | 1000            | ±220                     | 82             |
| AM2D-1215DZ | 10.8-13.2         | ±15                | ±66.7                   | 203                                             | 20 | 1000            | ±220                     | 82             |
| AM2D-1218DZ | 10.8-13.2         | ±18                | ±55.6                   | 203                                             | 20 | 1000            | ±220                     | 82             |
| AM2D-1224DZ | 10.8-13.2         | ±24                | ±41.7                   | 203                                             | 20 | 1000            | ±220                     | 82             |
| AM2D-2403DZ | 21.6-26.4         | ±3.3               | ±200                    | 80                                              | 10 | 1000            | ±220                     | 68             |
| AM2D-2405DZ | 21.6-26.4         | ±5                 | ±200                    | 111                                             | 10 | 1000            | ±220                     | 75             |
| AM2D-2407DZ | 21.6-26.4         | ±7.2               | ±138.8                  | 111                                             | 10 | 1000            | ±220                     | 75             |
| AM2D-2409DZ | 21.6-26.4         | ±9                 | ±111.1                  | 104                                             | 10 | 1000            | ±220                     | 80             |
| AM2D-2412DZ | 21.6-26.4         | ±12                | ±83.3                   | 101                                             | 10 | 1000            | ±220                     | 82             |
| AM2D-2415DZ | 21.6-26.4         | ±15                | ±66.7                   | 101                                             | 10 | 1000            | ±220                     | 82             |
| AM2D-2418DZ | 21.6-26.4         | ±18                | ±55.6                   | 101                                             | 10 | 1000            | ±220                     | 82             |
| AM2D-2424DZ | 21.6-26.4         | ±24                | ±41.7                   | 101                                             | 10 | 1000            | ±220                     | 82             |

## Models

### Dual output (continued)

| Model          | Input Voltage (V) | Output Voltage (V) | Output Current Max (mA) | Input Current Full Load typ.   No Load max.(mA) | Isolation (VDC) | Max Capacitive Load (μF) | Efficiency (%) |
|----------------|-------------------|--------------------|-------------------------|-------------------------------------------------|-----------------|--------------------------|----------------|
| AM2D-0503DH30Z | 4.5-5.5           | ±3.3               | ±200                    | 406 30                                          | 3000            | ±220                     | 65             |
| AM2D-0505DH30Z | 4.5-5.5           | ±5                 | ±200                    | 555 30                                          | 3000            | ±220                     | 72             |
| AM2D-0507DH30Z | 4.5-5.5           | ±7.2               | ±138.8                  | 555 30                                          | 3000            | ±220                     | 72             |
| AM2D-0509DH30Z | 4.5-5.5           | ±9                 | ±111.1                  | 519 30                                          | 3000            | ±220                     | 77             |
| AM2D-0512DH30Z | 4.5-5.5           | ±12                | ±83.3                   | 512 38                                          | 3000            | ±220                     | 78             |
| AM2D-0515DH30Z | 4.5-5.5           | ±15                | ±66.7                   | 500 30                                          | 3000            | ±220                     | 80             |
| AM2D-0518DH30Z | 4.5-5.5           | ±18                | ±55.6                   | 500 30                                          | 3000            | ±220                     | 80             |
| AM2D-0524DH30Z | 4.5-5.5           | ±24                | ±41.7                   | 500 30                                          | 3000            | ±220                     | 80             |
| AM2D-1203DH30Z | 10.8-13.2         | ±3.3               | ±200                    | 164 20                                          | 3000            | ±220                     | 67             |
| AM2D-1205DH30Z | 10.8-13.2         | ±5                 | ±200                    | 222 20                                          | 3000            | ±220                     | 75             |
| AM2D-1207DH30Z | 10.8-13.2         | ±7.2               | ±138.8                  | 219 20                                          | 3000            | ±220                     | 76             |
| AM2D-1209DH30Z | 10.8-13.2         | ±9                 | ±111.1                  | 216 20                                          | 3000            | ±220                     | 77             |
| AM2D-1212DH30Z | 10.8-13.2         | ±12                | ±83.3                   | 203 20                                          | 3000            | ±220                     | 82             |
| AM2D-1215DH30Z | 10.8-13.2         | ±15                | ±66.7                   | 203 20                                          | 3000            | ±220                     | 82             |
| AM2D-1218DH30Z | 10.8-13.2         | ±18                | ±55.6                   | 203 20                                          | 3000            | ±220                     | 82             |
| AM2D-1224DH30Z | 10.8-13.2         | ±24                | ±41.7                   | 203 20                                          | 3000            | ±220                     | 82             |
| AM2D-2403DH30Z | 21.6-26.4         | ±3.3               | ±200                    | 80 10                                           | 3000            | ±220                     | 68             |
| AM2D-2405DH30Z | 21.6-26.4         | ±5                 | ±200                    | 111 10                                          | 3000            | ±220                     | 75             |
| AM2D-2407DH30Z | 21.6-26.4         | ±7.2               | ±138.8                  | 111 10                                          | 3000            | ±220                     | 75             |
| AM2D-2409DH30Z | 21.6-26.4         | ±9                 | ±111.1                  | 104 10                                          | 3000            | ±220                     | 80             |
| AM2D-2412DH30Z | 21.6-26.4         | ±12                | ±83.3                   | 101 10                                          | 3000            | ±220                     | 82             |
| AM2D-2415DH30Z | 21.6-26.4         | ±15                | ±66.7                   | 101 10                                          | 3000            | ±220                     | 82             |
| AM2D-2418DH30Z | 21.6-26.4         | ±18                | ±55.6                   | 101 10                                          | 3000            | ±220                     | 82             |
| AM2D-2424DH30Z | 21.6-26.4         | ±24                | ±41.7                   | 101 10                                          | 3000            | ±220                     | 82             |
| AM2D-0503DH40Z | 4.5-5.5           | ±3.3               | ±200                    | 406 30                                          | 4000            | ±220                     | 65             |
| AM2D-0505DH40Z | 4.5-5.5           | ±5                 | ±200                    | 555 30                                          | 4000            | ±220                     | 72             |
| AM2D-0507DH40Z | 4.5-5.5           | ±7.2               | ±138.8                  | 555 30                                          | 4000            | ±220                     | 72             |
| AM2D-0509DH40Z | 4.5-5.5           | ±9                 | ±111.1                  | 519 30                                          | 4000            | ±220                     | 77             |
| AM2D-0512DH40Z | 4.5-5.5           | ±12                | ±83.3                   | 512 38                                          | 4000            | ±220                     | 78             |
| AM2D-0515DH40Z | 4.5-5.5           | ±15                | ±66.7                   | 500 30                                          | 4000            | ±220                     | 80             |
| AM2D-0518DH40Z | 4.5-5.5           | ±18                | ±55.6                   | 500 30                                          | 4000            | ±220                     | 80             |
| AM2D-0524DH40Z | 4.5-5.5           | ±24                | ±41.7                   | 500 30                                          | 4000            | ±220                     | 80             |
| AM2D-1203DH40Z | 10.8-13.2         | ±3.3               | ±200                    | 164 20                                          | 4000            | ±220                     | 67             |
| AM2D-1205DH40Z | 10.8-13.2         | ±5                 | ±200                    | 222 20                                          | 4000            | ±220                     | 75             |
| AM2D-1207DH40Z | 10.8-13.2         | ±7.2               | ±138.8                  | 219 20                                          | 4000            | ±220                     | 76             |
| AM2D-1209DH40Z | 10.8-13.2         | ±9                 | ±111.1                  | 216 20                                          | 4000            | ±220                     | 77             |
| AM2D-1212DH40Z | 10.8-13.2         | ±12                | ±83.3                   | 203 20                                          | 4000            | ±220                     | 82             |
| AM2D-1215DH40Z | 10.8-13.2         | ±15                | ±66.7                   | 203 20                                          | 4000            | ±220                     | 82             |
| AM2D-1218DH40Z | 10.8-13.2         | ±18                | ±55.6                   | 203 20                                          | 4000            | ±220                     | 82             |
| AM2D-1224DH40Z | 10.8-13.2         | ±24                | ±41.7                   | 203 20                                          | 4000            | ±220                     | 84             |
| AM2D-2403DH40Z | 21.6-26.4         | ±3.3               | ±200                    | 80 10                                           | 4000            | ±220                     | 68             |
| AM2D-2405DH40Z | 21.6-26.4         | ±5                 | ±200                    | 111 10                                          | 4000            | ±220                     | 75             |
| AM2D-2407DH40Z | 21.6-26.4         | ±7.2               | ±138.8                  | 111 10                                          | 4000            | ±220                     | 75             |
| AM2D-2409DH40Z | 21.6-26.4         | ±9                 | ±111.1                  | 104 10                                          | 4000            | ±220                     | 80             |
| AM2D-2412DH40Z | 21.6-26.4         | ±12                | ±83.3                   | 101 10                                          | 4000            | ±220                     | 82             |
| AM2D-2415DH40Z | 21.6-26.4         | ±15                | ±66.7                   | 101 10                                          | 4000            | ±220                     | 82             |
| AM2D-2418DH40Z | 21.6-26.4         | ±18                | ±55.6                   | 101 10                                          | 4000            | ±220                     | 82             |
| AM2D-2424DH40Z | 21.6-26.4         | ±24                | ±41.7                   | 101 10                                          | 4000            | ±220                     | 82             |

## Models

### Dual output (continued)

| Model          | Input Voltage (V) | Output Voltage (V) | Output Current Max (mA) | Input Current Full Load typ.   No Load max.(mA) | Isolation (VDC) | Max Capacitive Load (μF) | Efficiency (%) |
|----------------|-------------------|--------------------|-------------------------|-------------------------------------------------|-----------------|--------------------------|----------------|
| AM2D-0503DH52Z | 4.5-5.5           | ±3.3               | ±200                    | 406 30                                          | 5200            | ±220                     | 65             |
| AM2D-0505DH52Z | 4.5-5.5           | ±5                 | ±200                    | 555 30                                          | 5200            | ±220                     | 72             |
| AM2D-0507DH52Z | 4.5-5.5           | ±7.2               | ±138.8                  | 555 30                                          | 5200            | ±220                     | 72             |
| AM2D-0509DH52Z | 4.5-5.5           | ±9                 | ±111.1                  | 519 30                                          | 5200            | ±220                     | 77             |
| AM2D-0512DH52Z | 4.5-5.5           | ±12                | ±83.3                   | 512 38                                          | 5200            | ±220                     | 78             |
| AM2D-0515DH52Z | 4.5-5.5           | ±15                | ±66.7                   | 500 30                                          | 5200            | ±220                     | 80             |
| AM2D-0518DH52Z | 4.5-5.5           | ±18                | ±55.6                   | 500 30                                          | 5200            | ±220                     | 80             |
| AM2D-0524DH52Z | 4.5-5.5           | ±24                | ±41.7                   | 500 30                                          | 5200            | ±220                     | 80             |
| AM2D-1203DH52Z | 10.8-13.2         | ±3.3               | ±200                    | 164 20                                          | 5200            | ±220                     | 67             |
| AM2D-1205DH52Z | 10.8-13.2         | ±5                 | ±200                    | 222 20                                          | 5200            | ±220                     | 75             |
| AM2D-1207DH52Z | 10.8-13.2         | ±7.2               | ±138.8                  | 219 20                                          | 5200            | ±220                     | 76             |
| AM2D-1209DH52Z | 10.8-13.2         | ±9                 | ±111.1                  | 216 20                                          | 5200            | ±220                     | 77             |
| AM2D-1212DH52Z | 10.8-13.2         | ±12                | ±83.3                   | 203 20                                          | 5200            | ±220                     | 82             |
| AM2D-1215DH52Z | 10.8-13.2         | ±15                | ±66.7                   | 203 20                                          | 5200            | ±220                     | 82             |
| AM2D-1218DH52Z | 10.8-13.2         | ±18                | ±55.6                   | 203 20                                          | 5200            | ±220                     | 82             |
| AM2D-1224DH52Z | 10.8-13.2         | ±24                | ±41.7                   | 203 20                                          | 5200            | ±220                     | 82             |
| AM2D-2403DH52Z | 21.6-26.4         | ±3.3               | ±200                    | 80 10                                           | 5200            | ±220                     | 68             |
| AM2D-2405DH52Z | 21.6-26.4         | ±5                 | ±200                    | 111 10                                          | 5200            | ±220                     | 75             |
| AM2D-2407DH52Z | 21.6-26.4         | ±7.2               | ±138.8                  | 111 10                                          | 5200            | ±220                     | 75             |
| AM2D-2409DH52Z | 21.6-26.4         | ±9                 | ±111.1                  | 104 10                                          | 5200            | ±220                     | 80             |
| AM2D-2412DH52Z | 21.6-26.4         | ±12                | ±83.3                   | 101 10                                          | 5200            | ±220                     | 82             |
| AM2D-2415DH52Z | 21.6-26.4         | ±15                | ±66.7                   | 101 10                                          | 5200            | ±220                     | 82             |
| AM2D-2418DH52Z | 21.6-26.4         | ±18                | ±55.6                   | 101 10                                          | 5200            | ±220                     | 82             |
| AM2D-2424DH52Z | 21.6-26.4         | ±24                | ±41.7                   | 101 10                                          | 5200            | ±220                     | 82             |
| AM2D-0503DH60Z | 4.5-5.5           | ±3.3               | ±200                    | 406 30                                          | 6000            | ±220                     | 65             |
| AM2D-0505DH60Z | 4.5-5.5           | ±5                 | ±200                    | 555 30                                          | 6000            | ±220                     | 72             |
| AM2D-0507DH60Z | 4.5-5.5           | ±7.2               | ±138.8                  | 555 30                                          | 6000            | ±220                     | 72             |
| AM2D-0509DH60Z | 4.5-5.5           | ±9                 | ±111.1                  | 519 30                                          | 6000            | ±220                     | 77             |
| AM2D-0512DH60Z | 4.5-5.5           | ±12                | ±83.3                   | 512 38                                          | 6000            | ±220                     | 78             |
| AM2D-0515DH60Z | 4.5-5.5           | ±15                | ±66.7                   | 500 30                                          | 6000            | ±220                     | 80             |
| AM2D-0518DH60Z | 4.5-5.5           | ±18                | ±55.6                   | 500 30                                          | 6000            | ±220                     | 80             |
| AM2D-0524DH60Z | 4.5-5.5           | ±24                | ±41.7                   | 500 30                                          | 6000            | ±220                     | 80             |
| AM2D-1203DH60Z | 10.8-13.2         | ±3.3               | ±200                    | 164 20                                          | 6000            | ±220                     | 67             |
| AM2D-1205DH60Z | 10.8-13.2         | ±5                 | ±200                    | 222 20                                          | 6000            | ±220                     | 75             |
| AM2D-1207DH60Z | 10.8-13.2         | ±7.2               | ±138.8                  | 219 20                                          | 6000            | ±220                     | 76             |
| AM2D-1209DH60Z | 10.8-13.2         | ±9                 | ±111.1                  | 216 20                                          | 6000            | ±220                     | 77             |
| AM2D-1212DH60Z | 10.8-13.2         | ±12                | ±83.3                   | 203 20                                          | 6000            | ±220                     | 82             |
| AM2D-1215DH60Z | 10.8-13.2         | ±15                | ±66.7                   | 203 20                                          | 6000            | ±220                     | 82             |
| AM2D-1218DH60Z | 10.8-13.2         | ±18                | ±55.6                   | 203 20                                          | 6000            | ±220                     | 82             |
| AM2D-1224DH60Z | 10.8-13.2         | ±24                | ±41.7                   | 203 20                                          | 6000            | ±220                     | 82             |
| AM2D-2403DH60Z | 21.6-26.4         | ±3.3               | ±200                    | 80 10                                           | 6000            | ±220                     | 68             |
| AM2D-2405DH60Z | 21.6-26.4         | ±5                 | ±200                    | 111 10                                          | 6000            | ±220                     | 75             |
| AM2D-2407DH60Z | 21.6-26.4         | ±7.2               | ±138.8                  | 111 10                                          | 6000            | ±220                     | 75             |
| AM2D-2409DH60Z | 21.6-26.4         | ±9                 | ±111.1                  | 104 10                                          | 6000            | ±220                     | 80             |
| AM2D-2412DH60Z | 21.6-26.4         | ±12                | ±83.3                   | 101 10                                          | 6000            | ±220                     | 82             |
| AM2D-2415DH60Z | 21.6-26.4         | ±15                | ±66.7                   | 101 10                                          | 6000            | ±220                     | 82             |
| AM2D-2418DH60Z | 21.6-26.4         | ±18                | ±55.6                   | 101 10                                          | 6000            | ±220                     | 82             |
| AM2D-2424DH60Z | 21.6-26.4         | ±24                | ±41.7                   | 101 10                                          | 6000            | ±220                     | 82             |

### Models

#### Dual separated output

| Model         | Input Voltage (V) | Output Voltage (V) | Output Current Max (mA) | Input Current Full Load typ.   No Load max.(mA) | Isolation (VDC) | Max Capacitive Load (μF) | Efficiency (%) |
|---------------|-------------------|--------------------|-------------------------|-------------------------------------------------|-----------------|--------------------------|----------------|
| AM2D-050303DZ | 4.5-5.5           | 3.3 / 3.3          | 303 / 303               | 519 / 35                                        | 1000            | ±220                     | 77             |
| AM2D-050505DZ | 4.5-5.5           | 5 / 5              | 200 / 200               | 512 / 35                                        | 1000            | ±220                     | 78             |
| AM2D-050707DZ | 4.5-5.5           | 7.2 / 7.2          | 139 / 139               | 512 / 35                                        | 1000            | ±220                     | 78             |
| AM2D-050909DZ | 4.5-5.5           | 9 / 9              | 111 / 111               | 512 / 35                                        | 1000            | ±220                     | 78             |
| AM2D-051212DZ | 4.5-5.5           | 12 / 12            | 83 / 83                 | 512 / 35                                        | 1000            | ±220                     | 78             |
| AM2D-051515DZ | 4.5-5.5           | 15 / 15            | 67 / 67                 | 506 / 35                                        | 1000            | ±220                     | 79             |
| AM2D-051818DZ | 4.5-5.5           | 18 / 18            | 55 / 55                 | 500 / 35                                        | 1000            | ±220                     | 80             |
| AM2D-052424DZ | 4.5-5.5           | 24 / 24            | 41 / 41                 | 500 / 35                                        | 1000            | ±220                     | 80             |
| AM2D-120303DZ | 10.8-13.2         | 3.3 / 3.3          | 303 / 303               | 216 / 25                                        | 1000            | ±220                     | 77             |
| AM2D-120505DZ | 10.8-13.2         | 5 / 5              | 200 / 200               | 216 / 25                                        | 1000            | ±220                     | 77             |
| AM2D-120707DZ | 10.8-13.2         | 7.2 / 7.2          | 139 / 139               | 216 / 25                                        | 1000            | ±220                     | 77             |
| AM2D-120909DZ | 10.8-13.2         | 9 / 9              | 111 / 111               | 216 / 25                                        | 1000            | ±220                     | 77             |
| AM2D-121212DZ | 10.8-13.2         | 12 / 12            | 83 / 83                 | 213 / 25                                        | 1000            | ±220                     | 78             |
| AM2D-121515DZ | 10.8-13.2         | 15 / 15            | 67 / 67                 | 213 / 25                                        | 1000            | ±220                     | 78             |
| AM2D-121818DZ | 10.8-13.2         | 18 / 18            | 55 / 55                 | 208 / 25                                        | 1000            | ±220                     | 80             |
| AM2D-122424DZ | 10.8-13.2         | 24 / 24            | 41 / 41                 | 208 / 25                                        | 1000            | ±220                     | 80             |
| AM2D-240303DZ | 21.6-26.4         | 3.3 / 3.3          | 303 / 303               | 106 / 12                                        | 1000            | ±220                     | 78             |
| AM2D-240505DZ | 21.6-26.4         | 5 / 5              | 200 / 200               | 106 / 12                                        | 1000            | ±220                     | 78             |
| AM2D-240707DZ | 21.6-26.4         | 7.2 / 7.2          | 139 / 139               | 106 / 12                                        | 1000            | ±220                     | 75             |
| AM2D-240909DZ | 21.6-26.4         | 9 / 9              | 111 / 111               | 106 / 12                                        | 1000            | ±220                     | 78             |
| AM2D-241212DZ | 21.6-26.4         | 12 / 12            | 83 / 83                 | 104 / 12                                        | 1000            | ±220                     | 80             |
| AM2D-241515DZ | 21.6-26.4         | 15 / 15            | 67 / 67                 | 104 / 12                                        | 1000            | ±220                     | 80             |
| AM2D-241818DZ | 21.6-26.4         | 18 / 18            | 55 / 55                 | 104 / 12                                        | 1000            | ±220                     | 80             |
| AM2D-242424DZ | 21.6-26.4         | 24 / 24            | 41 / 41                 | 104 / 12                                        | 1000            | ±220                     | 80             |

### Input Specifications

| Parameters                      | Nominal   | Typical   | Maximum | Units  |
|---------------------------------|-----------|-----------|---------|--------|
| Voltage range                   | 5         | 4.5-5.5   |         | VDC    |
|                                 | 12        | 10.8-13.2 |         | VDC    |
|                                 | 24        | 21.6-26.4 |         | VDC    |
| Filter                          | Capacitor |           |         |        |
| Absolute Maximum Rating         | 5 Vin     | 0-7       |         | VDC    |
|                                 | 12 Vin    | 0-15      |         | VDC    |
|                                 | 24 Vin    | 0-28      |         | VDC    |
| Peak Input Voltage time         |           | 100       |         | ms     |
| Input Reflected Ripple Current* |           | 20        |         | mA p-p |

\* Measured with a 12μH source inductor.

Dual separated models are measured with a 12μH source inductor and a 47μF (ESR<1Ω at 100KHz) source capacitor.

### Isolation Specifications

| Parameters         | Conditions | Typical | Rated                        | Units |
|--------------------|------------|---------|------------------------------|-------|
| Tested I/O voltage | 60sec      |         | 1000, 3000, 4000, 5200, 6000 | VDC   |
| Resistance         |            | > 1000  |                              | MOhm  |
| Capacitance        |            | 60      |                              | pF    |

### Output Specifications

| Parameters              | Conditions                      | Typical | Maximum | Units |
|-------------------------|---------------------------------|---------|---------|-------|
| Voltage accuracy        |                                 | ±3      |         | %     |
| Voltage balance         | Dual output                     | ±1      |         | %     |
| Line voltage regulation | For 1.0% of Vin                 | ±1.2    |         | %     |
| Load voltage regulation | Load 20~100%                    | ±10     |         | %     |
| Load voltage regulation | 3.3V output model, Load 20~100% | ±20     |         | %     |

|                         |                    |       |  |        |
|-------------------------|--------------------|-------|--|--------|
| Temperature coefficient |                    | ±0.02 |  | %/°C   |
| Ripple & Noise          | At 20MHz Bandwidth | 75    |  | mV p-p |

## General Specifications

| Parameters             | Conditions                                              | Typical                                            | Maximum | Units |
|------------------------|---------------------------------------------------------|----------------------------------------------------|---------|-------|
| Switching frequency    | 100% load                                               | 80                                                 |         | KHz   |
| Operating temperature  | Full Load                                               | -40 to +85                                         |         | °C    |
| Storage temperature    |                                                         | -40 to +125                                        |         | °C    |
| Max Case temperature   |                                                         |                                                    | +100    | °C    |
| Cooling                | Free air convection                                     |                                                    |         |       |
| Humidity               |                                                         |                                                    | 95      | %     |
| Case material          | Plastic UL94-VO                                         |                                                    |         |       |
| Weight                 | 7.2mm width models<br>Other models                      | 2.7<br>2.3                                         |         | g     |
| Dimensions (L x W x H) | 0.77 x 0.24 x 0.39 inch<br>0.77 x 0.28 x 0.39 inch      | 19.50 x 6.00 x 10.00 mm<br>19.50 x 7.20 x 10.00 mm |         |       |
| MTBF                   | >1 121 000 hrs (MIL-HDBK -217F, Ground Benign, t=+25°C) |                                                    |         |       |

NOTE: All specifications in this datasheet are measured at an ambient temperature of 25°C, humidity<75%, nominal input voltage and at rated output load unless otherwise specified

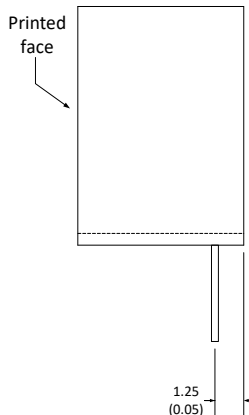
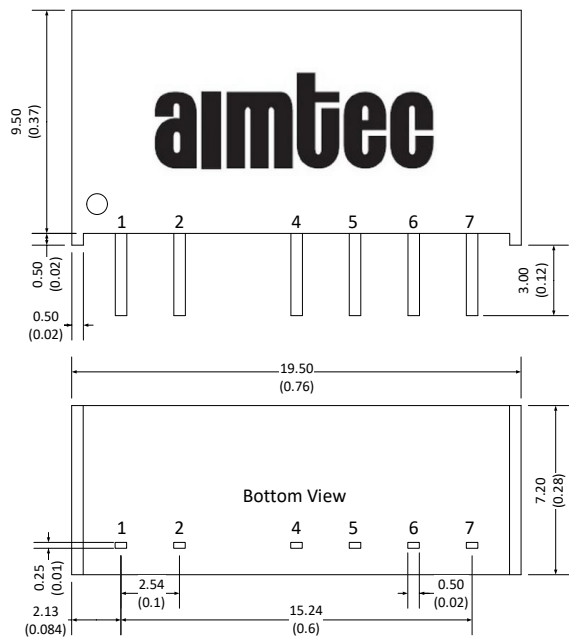
## Safety Specifications

| Parameters |                                                                                           |
|------------|-------------------------------------------------------------------------------------------|
| Standards  | Design to meet IEC/EN/UL 60950-1, 62368-1                                                 |
|            | EN55032 class B with the recommended EMC circuit. (except dual separated models)          |
|            | IEC61000-4-2, Perf. Criteria A (except dual separated models)                             |
|            | IEC61000-4-3, Perf. Criteria A (except dual separated models)                             |
|            | IEC61000-4-4, Perf. Criteria A with a 470uF/100V capacitor (except dual separated models) |
|            | IEC61000-4-5, Perf. Criteria A with a 470uF/100V capacitor (except dual separated models) |
|            | IEC61000-4-6, Perf. Criteria A (except dual separated models)                             |
|            | IEC61000-4-8, Perf. Criteria A (except dual separated models)                             |

## Pin Out Specifications

| Pin | 1000 VDC   |            |                | 3000, 4000 , 5200, 6000 VDC |           |
|-----|------------|------------|----------------|-----------------------------|-----------|
|     | Single     | Dual       | Dual separated | Single                      | Dual      |
| 1   | + V Input  | + V Input  | + V Input      | + V Input                   | + V Input |
| 2   | - V Input  | - V Input  | - V Input      | - V Input                   | - V Input |
| 4   | - V Output | - V Output | +V1 Output     | No pin                      | No pin    |
| 5   | No pin     | Common     | -V1 Output     | -V Output                   | -V Output |
| 6   | + V Output | + V Output | +V2 Output     | No pin                      | Common    |
| 7   | No pin     | No pin     | -V2 Output     | +V Output                   | +V Output |

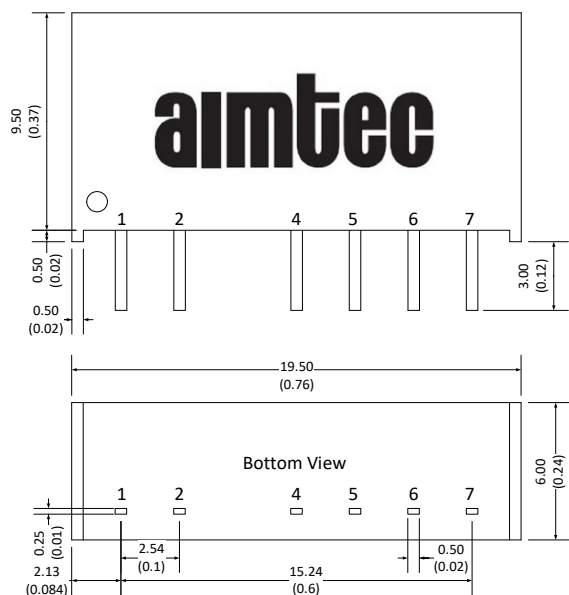
### Dimensions for models listed in the 7.2mm width models table.



Note:  
Unit: mm(inch)  
Pin pitch and length tolerance:  $\pm 0.35\text{mm}$  ( $\pm 0.014$ )  
Case tolerance:  $\pm 0.50\text{mm}$  ( $\pm 0.02$ )

| 7.2mm width models |               |
|--------------------|---------------|
| AM2D-0505SH40Z     | AM2D-051818DZ |
| AM2D-0505SH52Z     | AM2D-052424DZ |
| AM2D-1203SH60Z     | AM2D-120303DZ |
| AM2D-0507DH52Z     | AM2D-120707DZ |
| AM2D-0507DH60Z     | AM2D-120909DZ |
| AM2D-0515DH40Z     | AM2D-121515DZ |
| AM2D-0515DH52Z     | AM2D-121818DZ |
| AM2D-0515DH60Z     | AM2D-122424DZ |
| AM2D-1205DH52Z     | AM2D-240303DZ |
| AM2D-050303DZ      | AM2D-241515DZ |
| AM2D-050505DZ      | AM2D-241818DZ |
| AM2D-050707DZ      | AM2D-242424DZ |
| AM2D-050909DZ      | -             |
| AM2D-051212DZ      | -             |

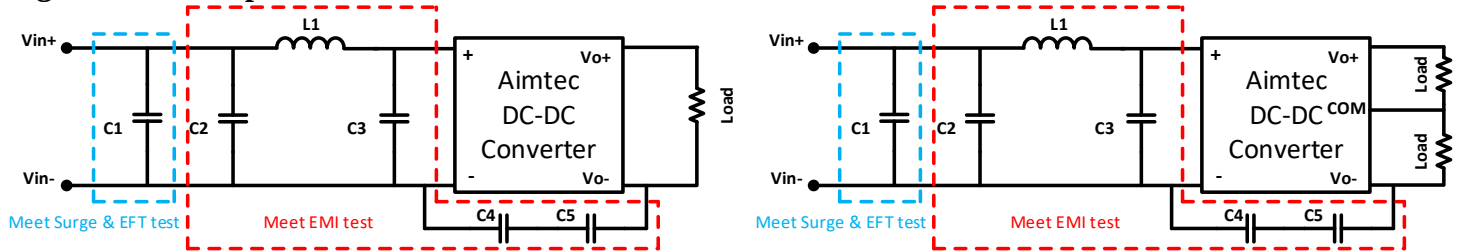
### Dimensions for others



Note:  
Unit: mm(inch)  
Pin pitch and length tolerance:  $\pm 0.35\text{mm}$  ( $\pm 0.014$ )  
Case tolerance:  $\pm 0.50\text{mm}$  ( $\pm 0.02$ )

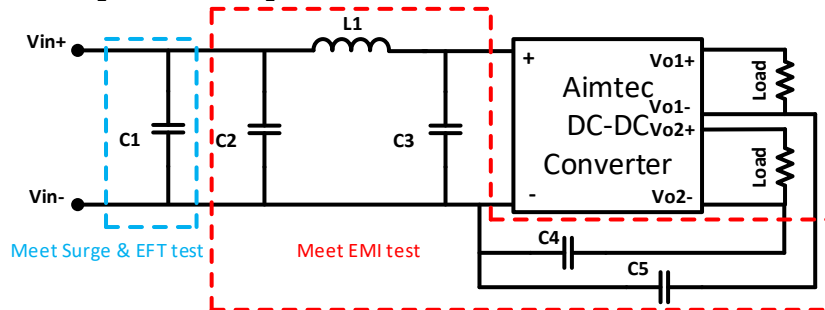
## Recommended EMC Circuit

### Single & Dual Output models



| Model                            | C1               | C2               | L1         | C3               | C4          | C5          |
|----------------------------------|------------------|------------------|------------|------------------|-------------|-------------|
| 03xx<br>05xx<br>12xx<br>15xx     | 470 $\mu$ F/100V | 2.2 $\mu$ F/100V | 18 $\mu$ H | -                | -           | -           |
| 24xx<br>24xx-H30                 | 470 $\mu$ F/100V | 2.2 $\mu$ F/100V | 18 $\mu$ H | 2.2 $\mu$ F/100V | 470 pF/3kV  | Short       |
| 24xx-H40<br>24xx-H52<br>24xx-H60 | 470 $\mu$ F/100V | 2.2 $\mu$ F/100V | 18 $\mu$ H | 2.2 $\mu$ F/100V | 1000 pF/3kV | 1000 pF/3kV |

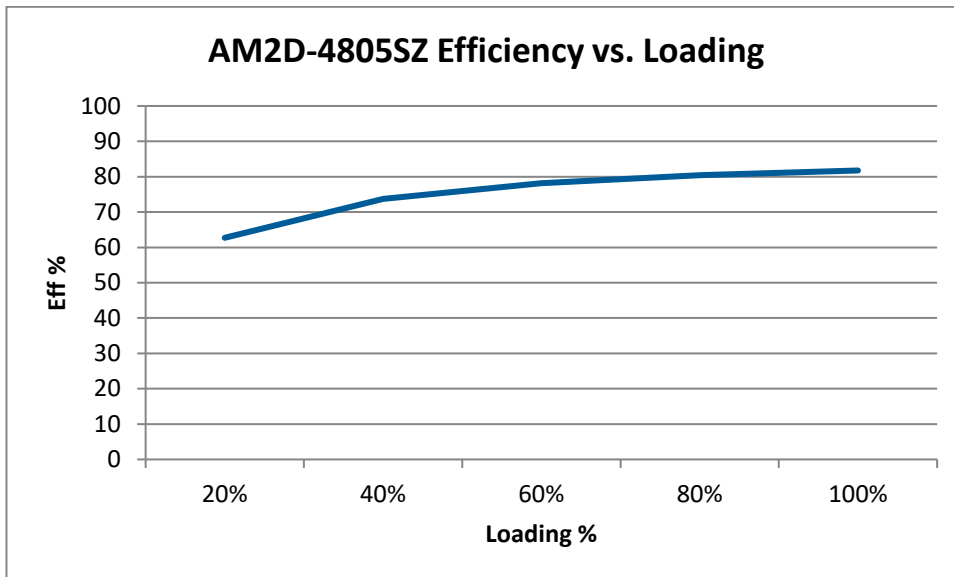
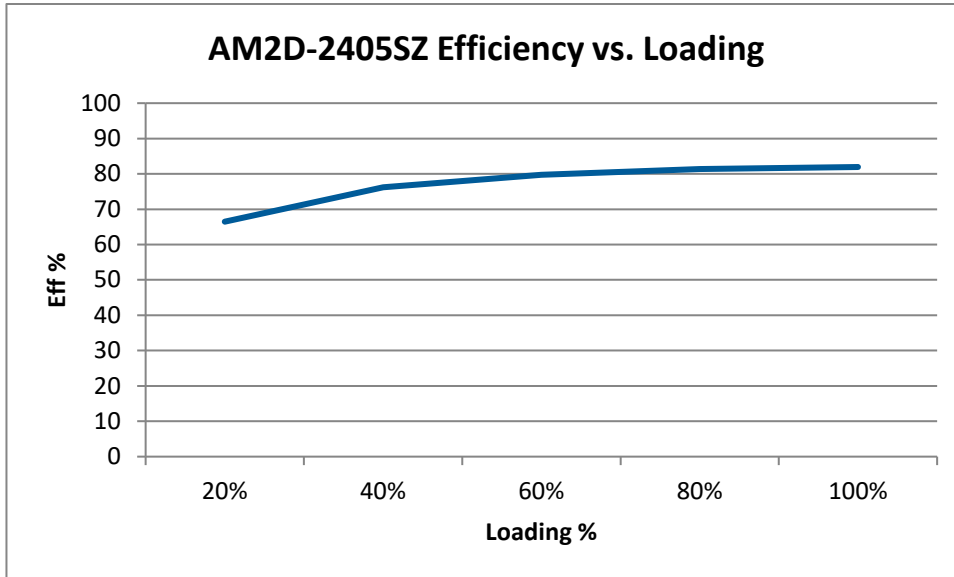
### Dual Separated Output models



| Model            | C1               | C2               | L1         | C3               | C4         | C5         |
|------------------|------------------|------------------|------------|------------------|------------|------------|
| 05xxxx<br>12xxxx | 470 $\mu$ F/100V | 2.2 $\mu$ F/100V | 18 $\mu$ H | -                | -          | -          |
| 24xxxx           | 470 $\mu$ F/100V | 2.2 $\mu$ F/100V | 18 $\mu$ H | 2.2 $\mu$ F/100V | 470 pF/3kV | 470 pF/3kV |

## Typical Efficiency Chart Examples





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