



### Features:

- Universal / Full range AC input
- 3 pole IEC320-C14 (kettle) inlet
- Class I power (with earth pin)
- Fully enclosed attractive plastic case
- Small & Compact design
- Cost effective and high reliability
- Protections:  
Over Voltage, Short circuit & Over Temp.
- Approvals: GS, UL/cUL & CE
- Level V ErP/EuP efficiency compliant
- MTBF >50,000 hours
- 1 Year Warranty



| Output Characteristics  |                                                                                                                                                                                                  |                 |                 |                 |                 |                 |                 |                 |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part Number             | T3321ST                                                                                                                                                                                          | T3322ST         | T3323ST *       | T3324ST         | T3325ST         | T3326ST         | T3327ST *       | T3328ST*        |
| Voltage                 | 5Vdc                                                                                                                                                                                             | 6Vdc            | 7Vdc            | 9Vdc            | 12Vdc           | 15Vdc           | 18Vdc           | 24Vdc           |
| Current Max.            | 3.6A                                                                                                                                                                                             | 3A              | 2.14            | 2A              | 1.5A            | 1.2A            | 0.83            | 0.63A           |
| Current Min.            | 0A                                                                                                                                                                                               | 0A              | 0A              | 0A              | 0A              | 0A              | 0A              | 0A              |
| Power (watts)           | 18W                                                                                                                                                                                              | 18W             | 15W             | 18W             | 18W             | 18W             | 15W             | 15W             |
| Line Regulation         | +/- 5%                                                                                                                                                                                           | +/- 1%          | +/- 1%          | +/- 1%          | +/- 1%          | +/- 1%          | +/- 1%          | +/- 1%          |
| Voltage Tolerance       | +/- 5%                                                                                                                                                                                           | +/- 5%          | +/- 5%          | +/- 5%          | +/- 5%          | +/- 5%          | +/- 5%          | +/- 5%          |
| Ripple & Noise (mV p-p) | 100mV                                                                                                                                                                                            | 100mV           | 150mV           | 100mV           | 100mV           | 100mV           | 150mV           | 150mV           |
| Protections             | Over Voltage: The output voltage shall be clamped by internal protection zener<br>Short Circuit: Output shut down and auto restart<br>Temperature: No ignition, smoke or deformation of the case |                 |                 |                 |                 |                 |                 |                 |
| Case Size (See below)   | 80.6x50x31                                                                                                                                                                                       | 80.6x50x31      | 80.6x50x31      | 80.6x50x31      | 80.6x50x31      | 80.6x50x31      | 80.6x50x31      | 80.6x50x31      |
| Weight (approx.)        | 150g                                                                                                                                                                                             | 120g            | 120g            | 110g            | 120g            | 120g            | 183g            | 183g            |
| DC Cord                 | 1 Metre                                                                                                                                                                                          | 1 Metre         | 1 Metre         | 1.5 Metre       | 1.5 Metre       | 1.8 Metre       | 1.8 Metre       | 1.8 Metre       |
| DC Plug (mm)            | R-A 2.1<br>C+ve                                                                                                                                                                                  | R-A 2.1<br>C+ve | R-A 2.1<br>C+ve | R-A 2.1<br>C+ve | R-A 2.1<br>C+ve | R-A 2.1<br>C+ve | R-A 2.1<br>C+ve | R-A 2.1<br>C+ve |

| Input Characteristics             |                                               |                      |                      |                      |                      |                      |                      |                      |
|-----------------------------------|-----------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Rated Input Voltage               | 100-240Vac                                    |                      |                      |                      |                      |                      |                      |                      |
| Full Input Voltage Range          | 90-264Vac                                     |                      |                      |                      |                      |                      |                      |                      |
| Rated Frequency                   | 50-60Hz                                       |                      |                      |                      |                      |                      |                      |                      |
| Full Frequency Range              | 47-63Hz                                       |                      |                      |                      |                      |                      |                      |                      |
| Efficiency (min.)                 | 77.8%                                         | 80.2%                | 74.36% *             | 80.2%                | 80.2%                | 80.2%                | 65% *                | 65% *                |
| Input Current (RMS Max.)          | 500mA                                         | 500mA                | 600mA                | 500mA                | 500mA                | 500mA                | 600mA                | 600mA                |
| Inrush Current 115Vac:<br>230Vac: | 40A Max.<br>80A Max.                          | 40A Max.<br>80A Max. | 30A Max.<br>60A Max. | 40A Max.<br>80A Max. | 40A Max.<br>80A Max. | 40A Max.<br>80A Max. | 30A Max.<br>60A Max. | 30A Max.<br>60A Max. |
| Leakage Current                   | <0.25mA                                       |                      |                      |                      |                      |                      |                      |                      |
| Input Power (no load)             | <0.3W Max. (Level V ErP/EuP/CEC Compliant)    |                      |                      |                      |                      |                      |                      |                      |
| AC Mains Inlet Plug               | IEC320/C14 type (also known as IEC or Kettle) |                      |                      |                      |                      |                      |                      |                      |

\* Upgrade to level V efficiency currently pending on these units.

| Safety, Mechanical and Other Characteristics |                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------|
| Range Model Designations                     | 3A-161DB & 3A-186DB (specified individually on each product label)          |
| Hi-Pot Specification                         | 1500Vac or 2121Vdc 10mA 1 min. (I.P. to O.P.)                               |
| Insulation Resistance                        | 500Vdc to test the I.P.-O.P resistance not less than 100Mohm (I.P. to O.P.) |
| Operating Temperature                        | 0°C to 40°C                                                                 |
| Storage Temperature                          | -10°C to 70°C                                                               |
| Operating Humidity                           | 20% to 80%                                                                  |
| Storage Humidity                             | 10% to 90%                                                                  |
| Safety Approvals                             | UL/CUL, GS, RCM & PSE                                                       |
| EMI Standards                                | FCC Class B, CE & VCCI                                                      |
| PB-free                                      | Yes. RoHS Compliant                                                         |
| MTBF                                         | 50K Hours (mean time before failure)                                        |



### Stontronics Ltd

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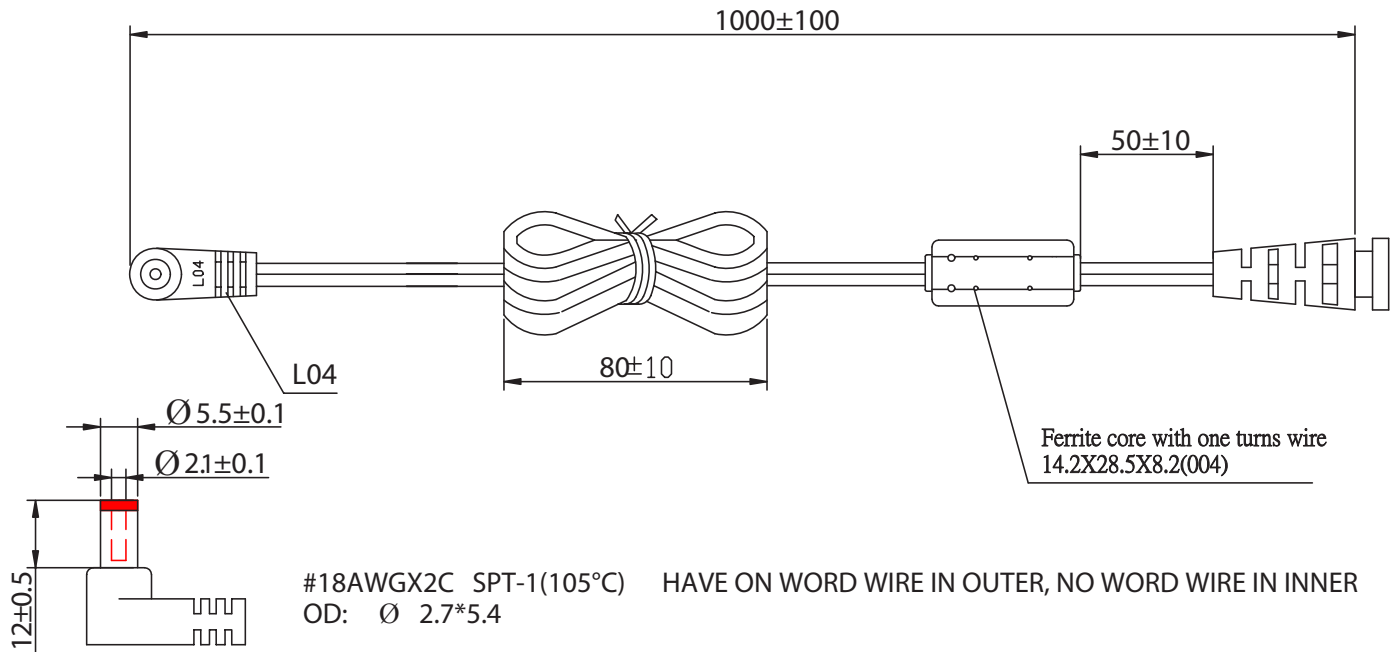
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Please Note: Image shown is representative of entire range. Individual PSU image &/or drawings or data sheets available on request.

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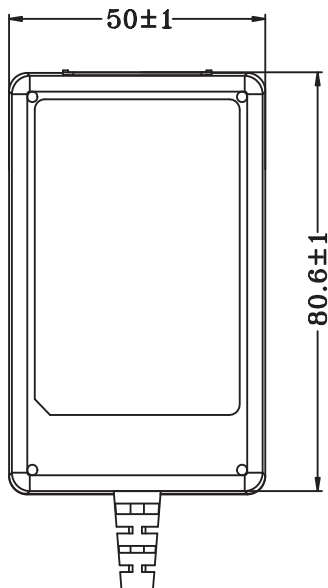
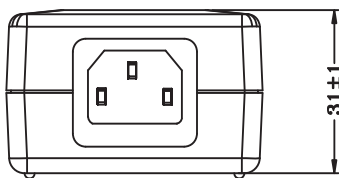
## DC Plug & Lead Drawing

- 1M DC Lead:



## Case Drawing

- 80.6x50x31mm:



## Example Spec Label:

