

SWITCHING TYPE POWER SUPPLY APPLICATIONS.

### FEATURES

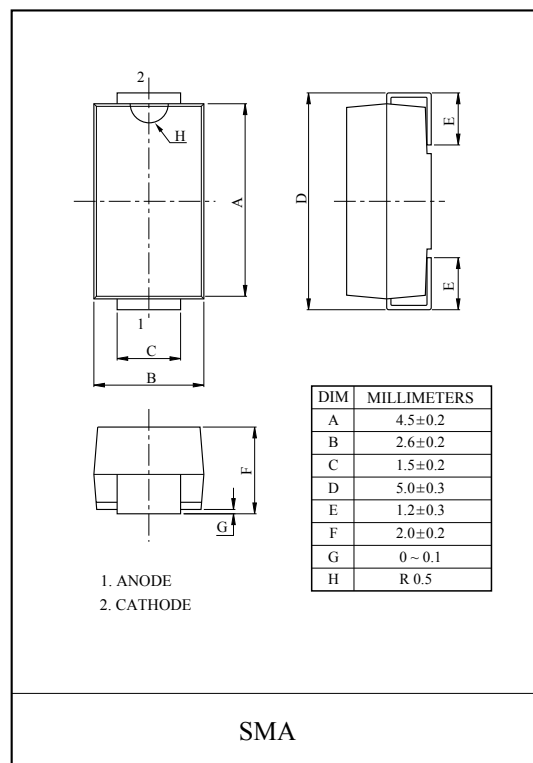
- Low Profile Surface Mount Package.
- Low Power Loss, High Efficiency.
- For Use in Low Voltage, High Frequency inverters, Free Wheeling, and Polarity Protection Applications.

### APPLICATION

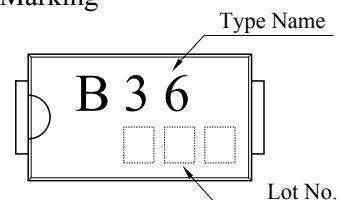
- Switching Power Supply.
- DC/DC Converter.
- Home Appliances, Office Equipment.
- Telecommunication.

### MAXIMUM RATING (Ta=25℃)

| CHARACTERISTIC                                             | SYMBOL    | RATING    | UNIT |
|------------------------------------------------------------|-----------|-----------|------|
| Maximum Repetitive Peak Reverse Voltage                    | $V_{RRM}$ | 60        | V    |
| Average Output Rectified Current                           | $I_O$     | 3         | A    |
| Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz) | $I_{FSM}$ | 70        | A    |
| Junction Temperature                                       | $T_j$     | -40 ~ 125 | ℃    |
| Storage Temperature Range                                  | $T_{stg}$ | -40 ~ 125 | ℃    |



### Marking



### ELECTRICAL CHARACTERISTICS (Ta=25℃)

| CHARACTERISTIC                  | SYMBOL        | TEST CONDITION         | MIN. | TYP. | MAX. | UNIT |
|---------------------------------|---------------|------------------------|------|------|------|------|
| Peak Forward Voltage            | $V_{FM}$      | $I_{FM}=1.0A$          | -    | -    | 0.58 | V    |
| Repetitive Peak Reverse Current | $I_{RRM}$     | $V_{RRM}=\text{Rated}$ | -    | -    | 0.2  | mA   |
| Thermal Resistance              | $R_{th(j-l)}$ | Junction to lead       | -    | -    | 23   | ℃/W  |

