

SWITCHING TYPE POWER SUPPLY APPLICATIONS.

FEATURES

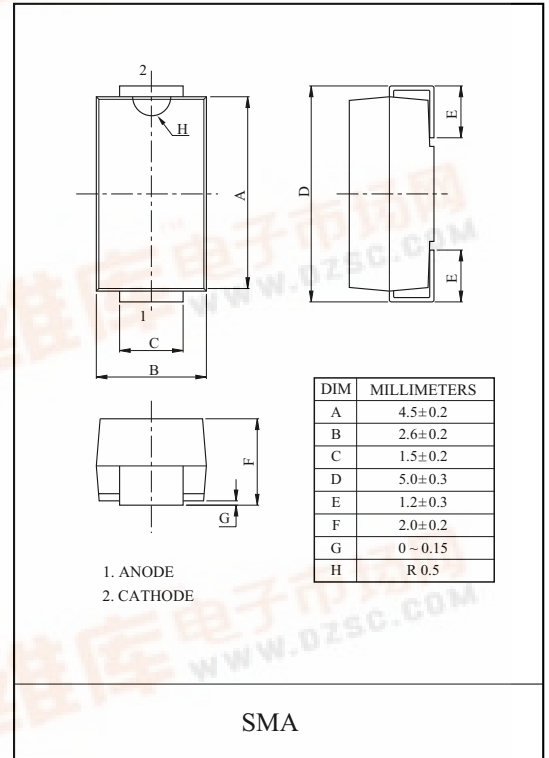
- Low Profile Surface Mount Package.
- Low Power Loss, High Efficiency.
- For Use in Low Voltage, High Frequency inverters, Free Wheeling, and Polarity Protection Applications.

APPLICATION

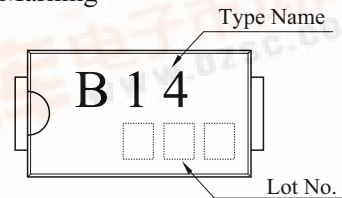
- Switching Power Supply.
- DC/DC Converter.
- Home Appliances, Office Equipment.
- Telecommunication.

MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	40	V
Average Output Rectified Current	I _O	1	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I _{FSM}	40	A
Junction Temperature	T _j	-40 ~ 125	°C
Storage Temperature Range	T _{stg}	-40 ~ 125	°C



Marking



ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} =1.0A	-	-	0.5	V
Repetitive Peak Reverse Current	I _{RRM}	V _{RRM} =Rated	-	-	1.0	mA
Thermal Resistance	R _{th(j-l)}	Junction to lead	-	-	23	°C/W
	R _{th(j-a)}	Junction to ambient (on alumina substrate)	-	-	108	

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