

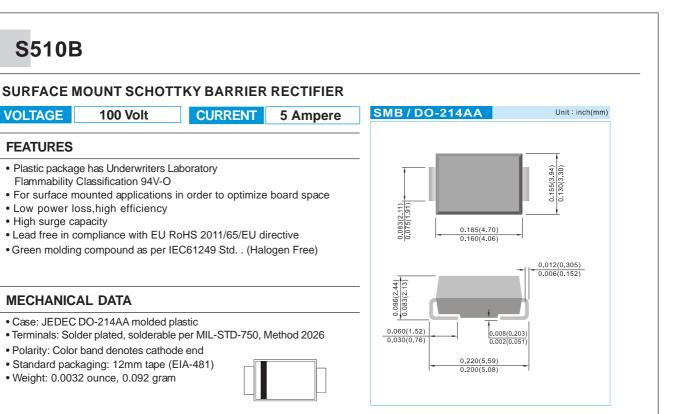
# S510B

VOLTAGE

**FEATURES** 

High surge capacity

**MECHANICAL DATA** 



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Cathode

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load.

PARAMETER	SYMBOL	VALUE	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	100	V
Maximum RMS Voltage	V <sub>rms</sub>	70	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	100	V
Maximum Average Forward Rectified Current	I <sub>F(AV)</sub>	5	A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	120	А
Maximum Forward Voltage at 5A (Notes 1)	V <sub>F</sub>	0.85	V
Maximum DC Reverse Current at Rated DC Blocking T <sub>j</sub> =25°C Voltage T <sub>j</sub> =125°C	I <sub>R</sub>	0.05	mA
Typical Thermal Resistance (Notes 2)	R <sub>eja</sub> R <sub>ejl</sub>	100 20	°C / W
Operating Junction Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Τ <sub>stg</sub>	-55 to +150	°C

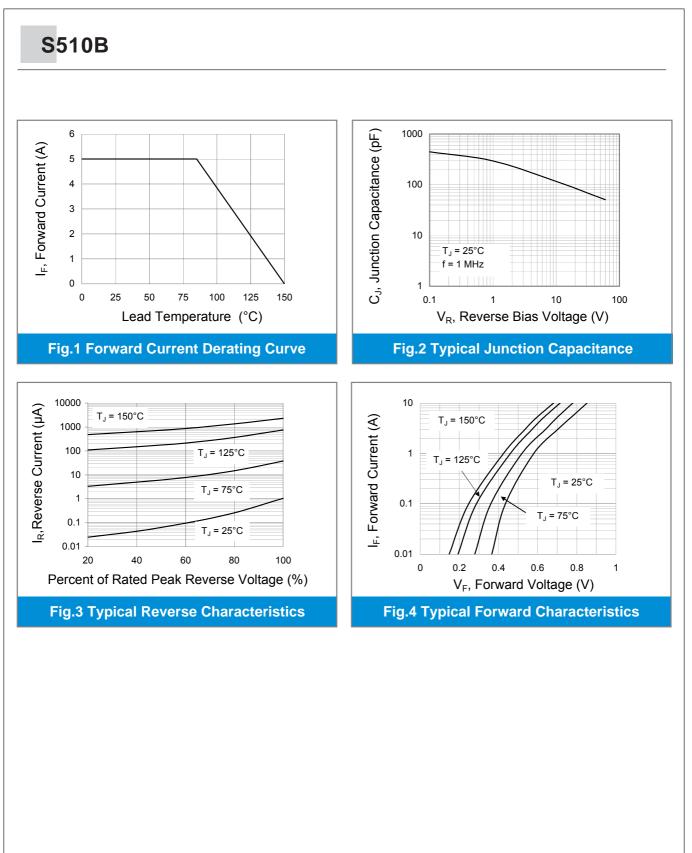
Anode

NOTES :

1. Pulse Test with PW =300µsec, 1% Duty Cycle.

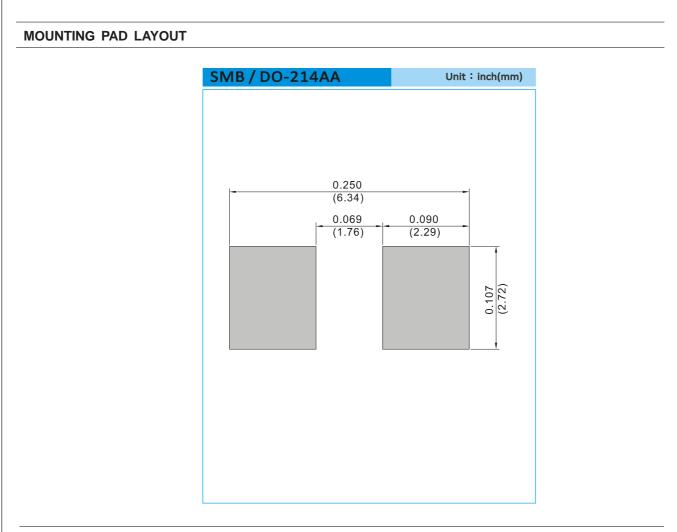
2. Mounted on PCB with minmum pad layout.







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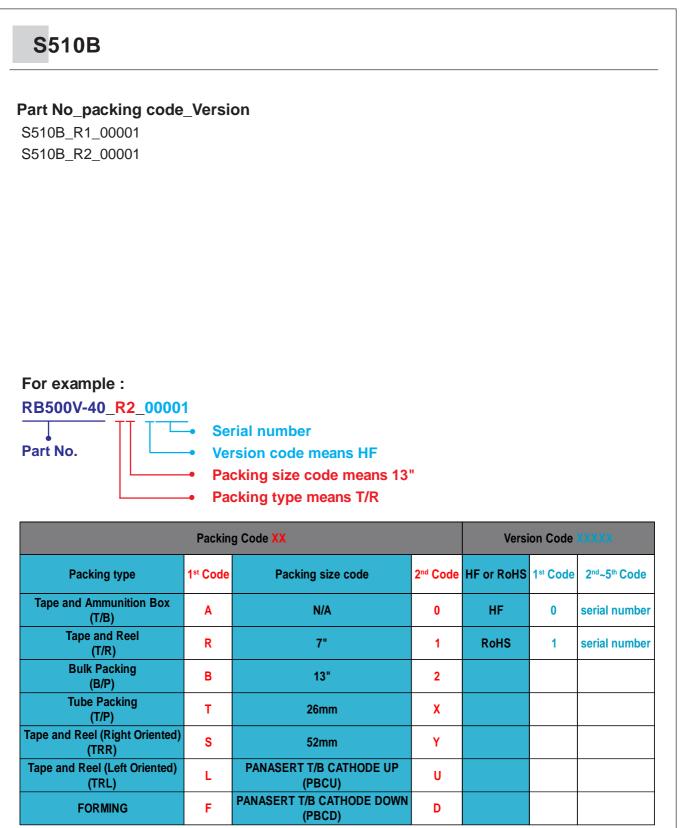
### ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.5K per 7" plastic Reel









## S510B

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