S2ABF THRU S2MBF SMBF

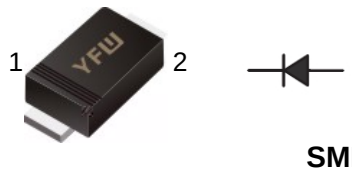
Surface Mount General Purpose Silicon Rectifiers

Reverse Voltage - 50 to 1000 V

Forward Current - 2 A

Pinning

1.Cathode	2.Anode



SMBF

FEATURES

For surface mounted applications
Low profile package
Glass Passivated Chip Junction
Ideal for automated placement
Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

Case: SMBF
Terminals: Solderable per MIL-STD-750, Method 2026
Approx. Weight: 57mg /0.002oz

YFW S2AB
YFW S2BB
YFW S2DB
YFW S2GB
YFW S2JB
YFW S2KB
YFW S2MB

Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	S2ABF	S2BBF	S2DBF	S2GBF	S2JBF	S2KBF	S2MBF	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at T_c = 125 °C	$I_{F(AV)}$				2				A
Peak									

Fig.1 Forward Current Derating Curve

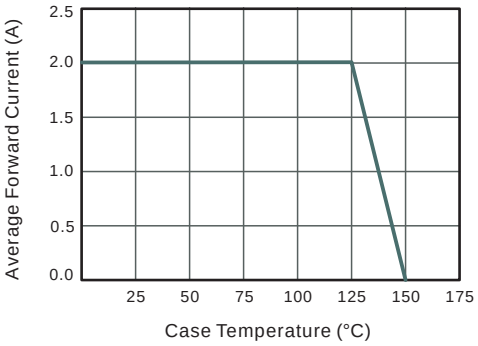


Fig.4

Marking Diagram

Ordering information

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