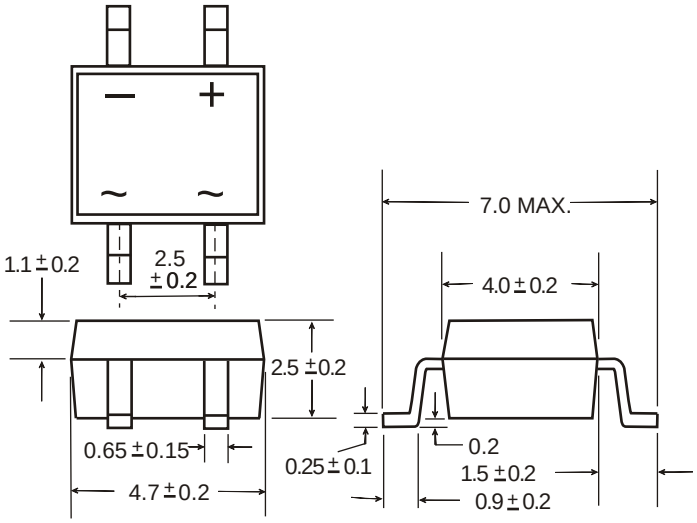
CURRENT 2.0 Ampere
VOLTAGE RANG 20 to 100 Volts

RMB22S THRU RMB26S

Features

Low profile package
Ideal for automated placement
Ultrafast reverse recovery time
Low power losses, high efficiency
Low forward voltage drop
High surge capability
High temperature soldering：
260℃/10 seconds at terminals
Component in accordance to
RoHS 2002/95/1 and WEEE 2002/96/EC

MINI-SOP



Dimensions in millimeters(1mm =0.0394")

Mechanical Date

Case: MBS molded plastic body over Schottky barrier chips
Terminals: Solder plated, solderable per J-STD-002B and JESD22-B102D
Polarity: Polarity symbols marked on body

Maximum Ratings & Thermal Characteristics & Electrical Characteristics

(T_A = 25 °C unless otherwise noted)

	Symbol	RMB22S	RMB24S	RMB26S	UNIT
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	V
Maximum RMS voltage	V_{RMS}	140	280	420	V
Maximum DC blocking voltage	V_{DC}	200	400	600	V
Maximum average forward output rectified current at T_A=30℃	$I_{F(AV)}$	2			A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load(JEDEC Method)	I_{FSM}	60			A
Maximum instantaneous forward voltage drop per leg at 1.0A	V_F	1.25			V
Maximum DC reverse current at rated DC blocking voltage per leg T_A = 25 ℃ T_A = 125℃	I_R	5.0 100			μA
Maximum reverse recovery time at IF = 0.5 A , IR = 1.0 A , Irr = 0.25 A	t_{rr}	150		250	nS
Thermal resistance per leg (Note:1)	$R_{\theta JA}$	80			℃/W
Operating junction and storage temperature range	T_J, T_{STG}	–55 to +150			℃

NOTE1: Units mounted on P.C.B. with 0.05×0.05〃(1.3×1.3mm) pads

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Rating and Characteristic Curves (TA = 25°C Unless otherwise noted)

Fig.1 Derating Curve For Output Rectified Current

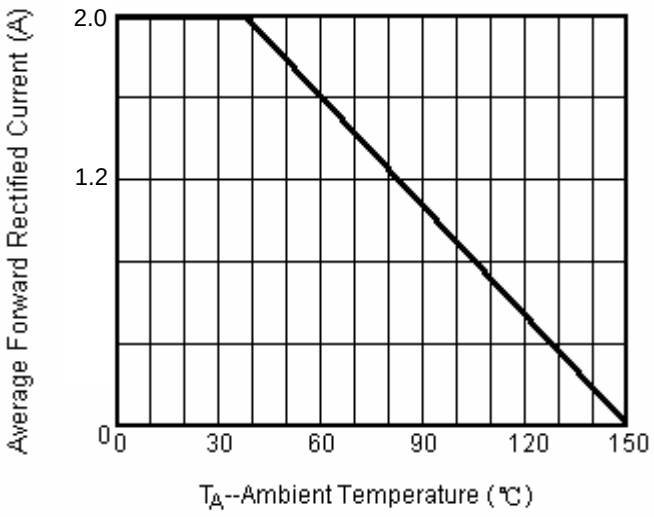

Fig.2 Maximum Non-Repetitive Peak Forward Surge Current Per Leg

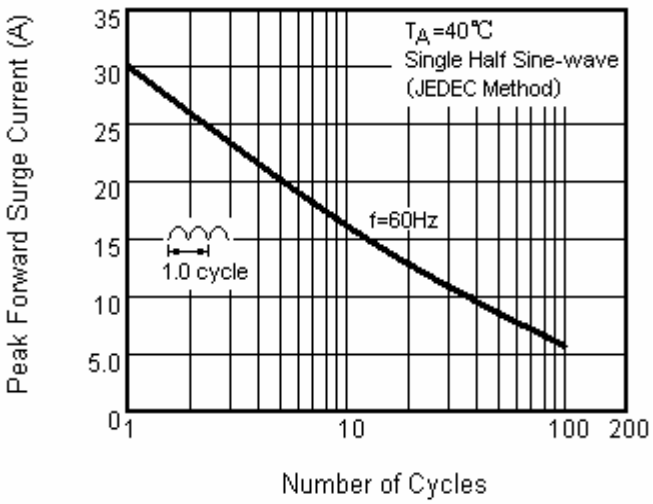

Fig.3 Typical Forward Voltage Characteristics Per Leg

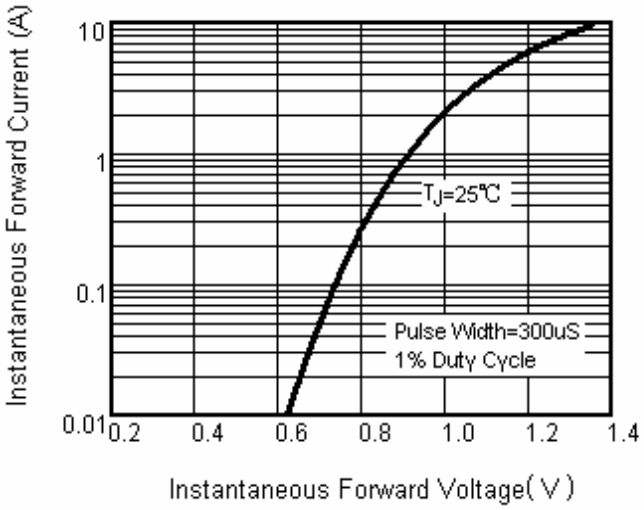

Fig.4 Typical Reverse Leakage Characteristics Per Leg