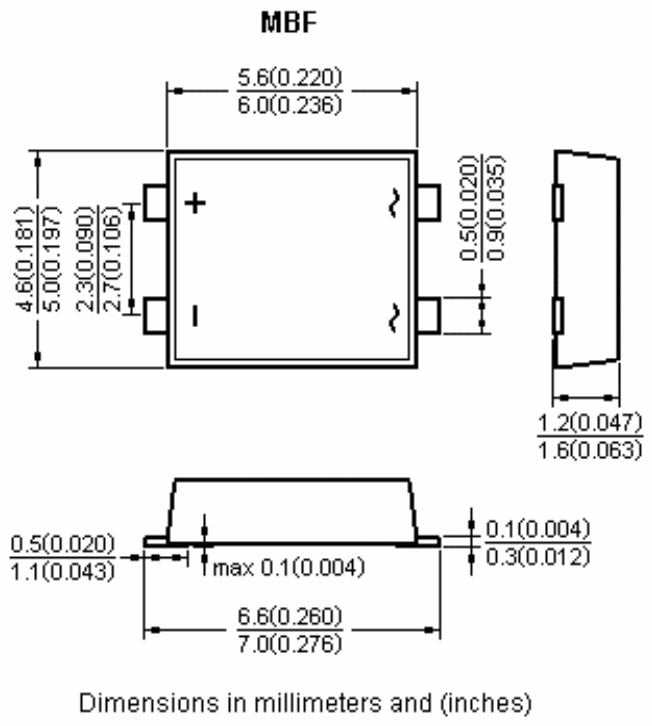
CURRENT 2.0 Ampere
VOLTAGE RANG 200 to 600 Volts

RMB22F THRU RMB26F

Features

- Low profile space
- Ideal for automated placement
- Glass passivated chip junction
- Low forward voltage drop
- Low leakage current
- High forward surge capability
- High temperature soldering:
  260℃/10 seconds at terminals
- Component in accordance to
  RoHS 2002/95/1 and WEEE 2002/96/EC



Dimensions in millimeters and (inches)

Mechanical Date

- Case: MBF Molded plastic
  over glass passivated chip
- 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	RMB22F	RMB24F	RMB26F	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

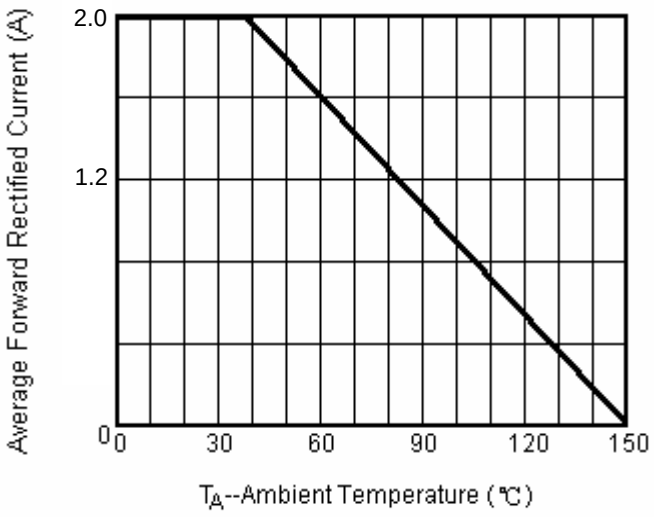


Fig.2 Maximum Non-Repetitive Peak Forward Surge Current Per Leg

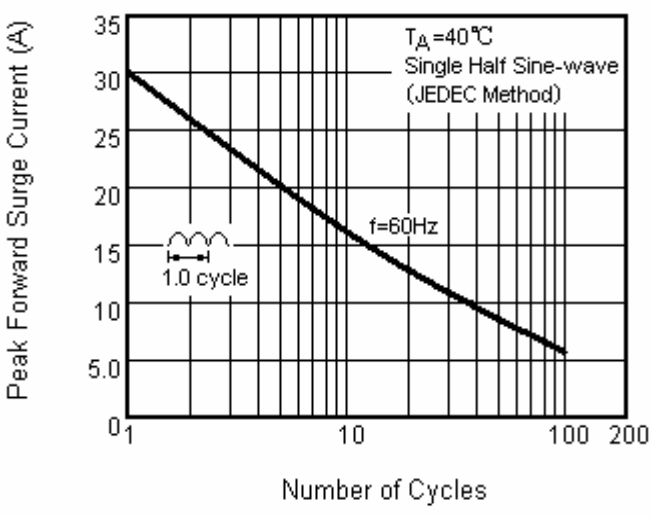


Fig.3 Typical Forward Voltage Characteristics Per Leg

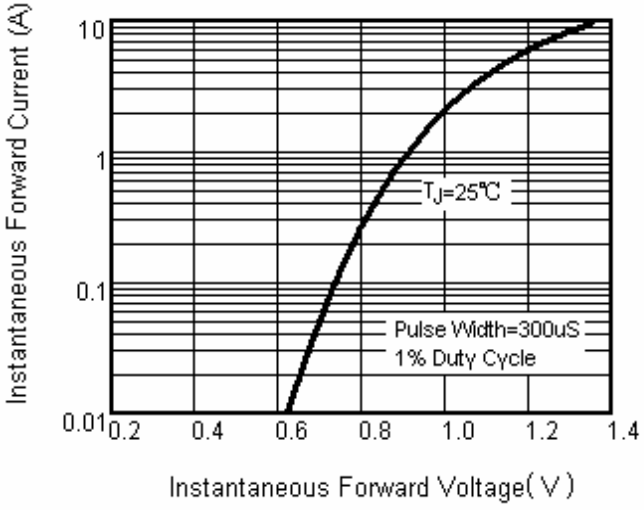
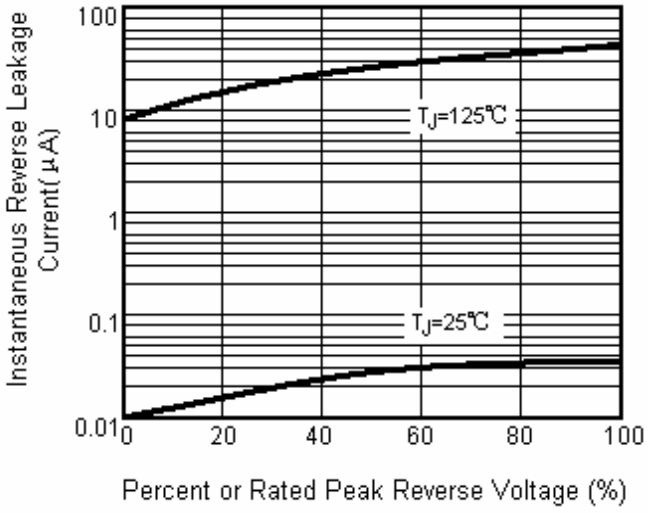


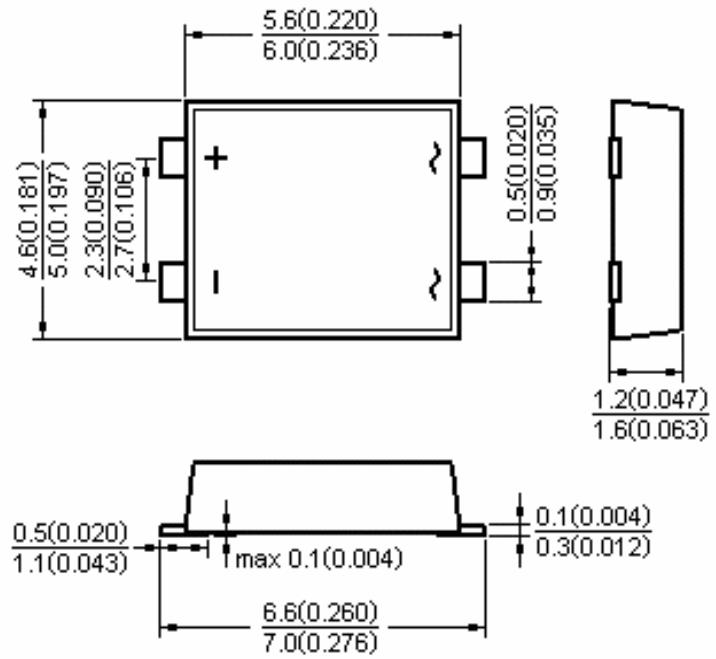
Fig.4 Typical Reverse Leakage Characteristics Per Leg



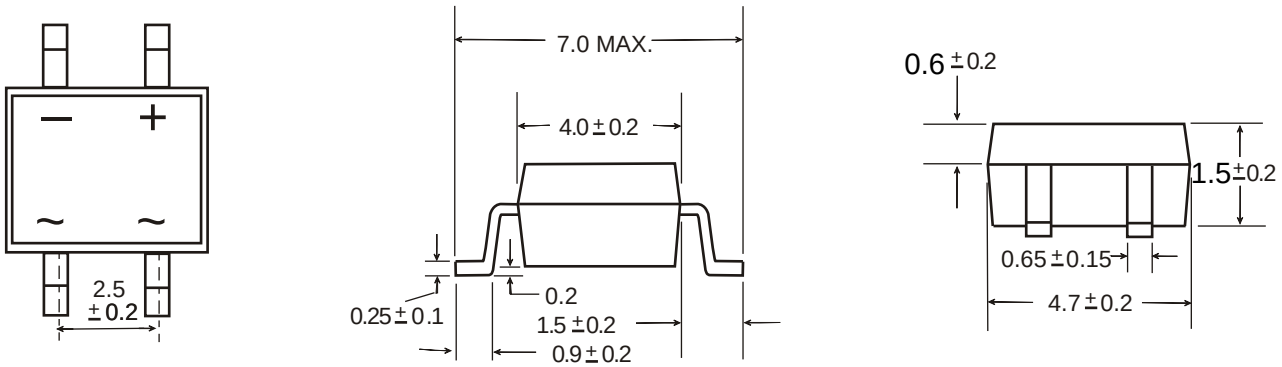
CURRENT 1.0 Ampere
VOLTAGE RANG 200 to 600 Volts

RMB12F THRU RMB16F

Usbam mould



The body mold



Dimensions in millimeters(1mm =0.0394")