

UMB2F THRU UMB10F

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

Voltage Range - 200 to 1000 Volts Current - 0.5/0.8 Ampere

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

MECHANICAL DATA

- **Case:**SOF2-4 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 AND ELECTRICAL CHARACTERISTICS

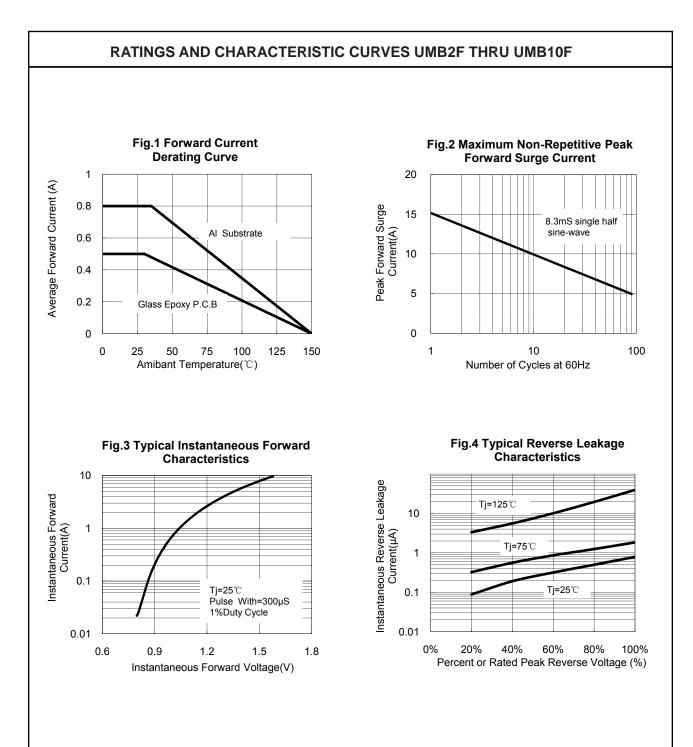
Ratings at 25[°]C ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load, for capacitive load derate current by 20%.

SYMBOLS	UMB2F B3	UMB4F B4	UB6F B5	UB8F B6	UMB10F B7	UNITS
Vrrm	200	400	600	800	1000	VOLTS
Vrms	140	280	420	560	700	VOLTS
Vdc	200	400	600	800	1000	VOLTS
1=/00	0.5 0.8					Amps
IF(AV)						
Іғѕм	20					Amps
Vf	1.1					Volts
lr	5.0 100					uA uA
R _{0JA} ⁽¹⁾ R _{0JA} ⁽²⁾	100 80					°C/W
RθJL	30					°C/W
TJ	-55 to +150					°C
Тѕтс	-55 to +150					°C
	VRRM VRMS VDC IF(AV) IFSM VF IR RθJA ⁽¹⁾ RθJL Tj	STAILOCLS B3 VRRM 200 VRMS 140 VDC 200 IF(AV)	B3 B4 VRRM 200 400 VRMS 140 280 VDC 200 400 IF(AV)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	B3 B4 B5 B6 VRM 200 400 600 800 VRMS 140 280 420 560 Vbc 200 400 600 800 Vbc 200 400 600 800 IF(AV) 0.5 0.5 0.8 0.8 IFSM 20 0.8 20 0.8 VF 1.1 100 80,0 100 100 R0JA ⁽¹⁾ 100 80 80 100 100 R0JA ⁽²⁾ 80 30 11 100 11 100 <t< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td></t<>	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

NOTES:1.On glass epoxy P.C.B. mounted on 0.05x0.05"(1.3x1.3mm) pads

2.On aluminum substrate P.C.B. with on area of 0.8"x0.8"(20x20mm) mounted on 0.05X0.05"(1.3X1.3mm) solder pad

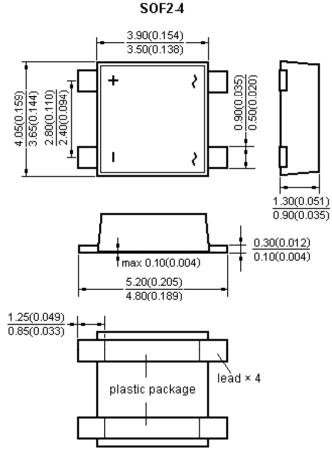




The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



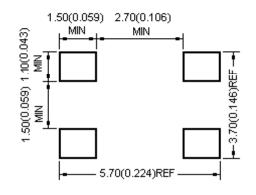
Package Outline



Dimensions in millimeters and (inches)

Soldering Pad

S0F2-4



Dimensions in millimeters and (inches)

