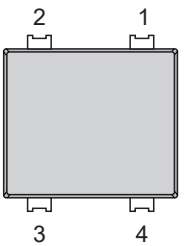
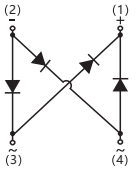
SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER

Reverse Voltage: 800-1000 Volts
Forward Current: 6. 0 Amps

UBF





■ FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- Low Forward Voltage Drop
- Low Leakage Current
- Fast Reverse Recovery Time
- Component in accordance to RoHS 2015/863/EU

■ MECHANICAL DATA

- Case: UBF molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750,method 2026
- Polarity: As Marked on body

■ MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating at 25℃ ambient temperature unless otherwise specified. Single phase ,half wave ,60Hz,resistive or inductive load. For capacitive load,derate current by 20%.)

Parameters		Symbols	UBF608	UBF610	Units
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	800	1000	Volts
Maximum RMS Voltage		V_{RMS}	560	700	Volts
Maximum DC Blocking Voltage		V_{DC}	800	1000	Volts
Maximum Average Forward Rectified Current		$I_{(AV)}$	6. 0		Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I_{FSM}	200		Amps
Rating for fusing (t<8. 3ms)		I^2t	166		A^2s
Maximum Instantaneous Forward Voltage at 6 A		V_F	1.0		Volts
Maximum DC Reverse Current at rated DC blocking voltage	T_A=25°C	I_R	5		μA
	T_A=125°C		100		
Typical junction capacitance (Note2)		C_J	100		pF
Typical thermal resistance(Note1)		$R_{\theta JA}$ $R_{\theta JC}$ $R_{\theta JL}$	60 10 12		°C/W
Operating junction and storage temperature range		Tj TSTG	-55 to +150		°C

Note: 1.Mounted on glassepoxy Pcboard with 4×1. 5″×1. 5″(3. 81×3. 81cm) copper pad.
2.Measured at 1MHZ and applied reverse voltage of 4.0 Volts.

FIG.1-TYPRCAL FORWARD CURRENT DERATING CURVE

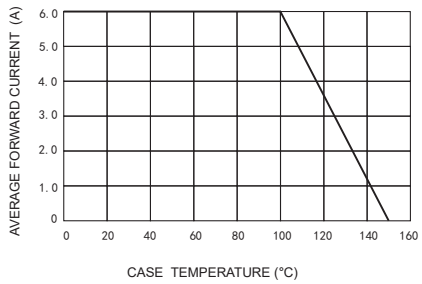


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

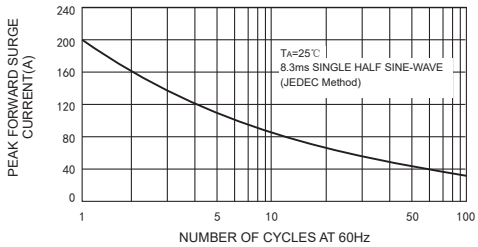


FIG.3-TYPICAL REVERSE CHARACTERISTICS

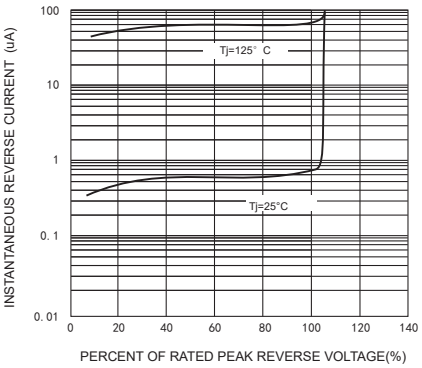


FIG4-TYPICAL FORWARD CHARACTERISTICS

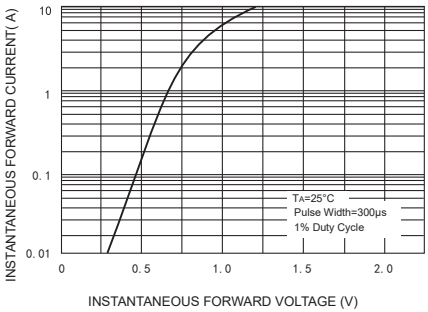
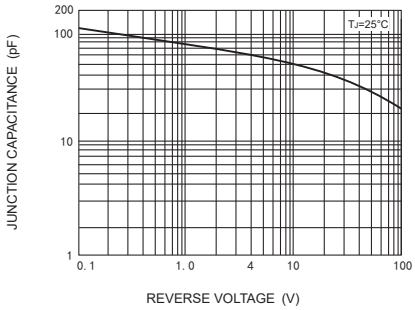
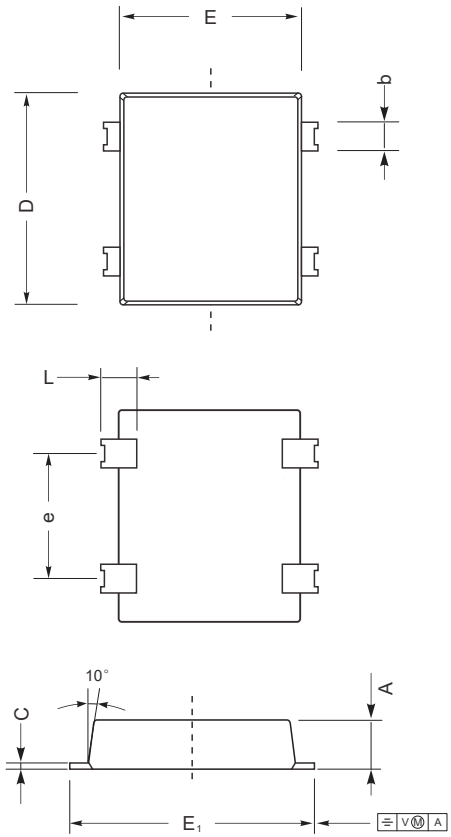


FIG.5-TYPICAL JUNCTION CAPACITANCE



■ PACKAGE OUTLINE

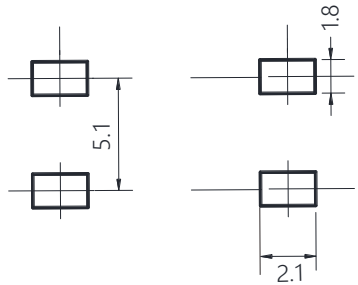
UBF mechanical data



UBF		
Dim	Min	Max
A	1.35	1.75
C	0.20	0.55
D	9.4	9.8
E	8.4	8.8
E1	9.8	10.2
L	0.85	1.25
e	4.9	5.3
b	1.25	1.55

Unit: mm

The recommended mounting pad size



Unit: mm