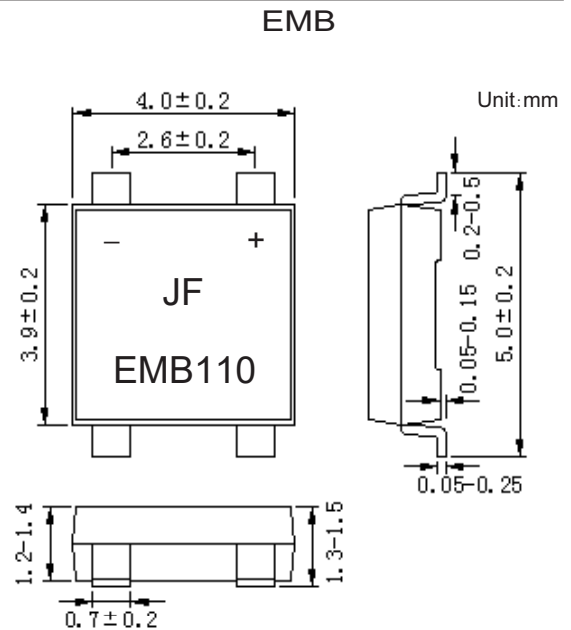


FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- Low Forward Voltage Drop
- Low Leakage Current
- High Forward Surge Capability
- Component in accordance to RoHS 2011/65/EU

MECHANICAL DATA

- Case: EMB molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750, method 2026
- Polarity: As Marked on body
- Marking: Type Number
- Lead Free: For RoHS/Leadfree Version



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 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	EMB105	EMB11	EMB12	EMB14	EMB16	EMB18	EMB110	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current	$I_{(AV)}$	1.0 ¹⁾							Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	25							Amps
Maximum Instantaneous Forward Voltage at 1.0 A	V_F	1.1							Volts
Maximum DC Reverse Current at rated DC blocking voltage	$T_A=25^{\circ}C$	5							μA
	$T_A=125^{\circ}C$	100							
Operating junction and storage temperature range	T_J	-55 to +150							$^{\circ}C$
	T_{STG}								

Note: 1. Mounted On glass-epoxy P.C.B with 1.2mm×0.8mm pads.

RATINGS AND CHARACTERISTIC CURVES EMB105 THRU EMB110

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

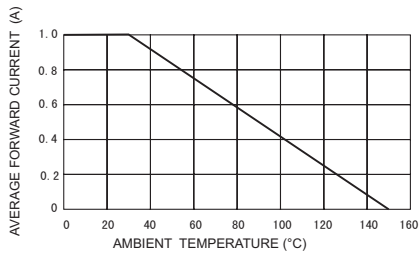


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

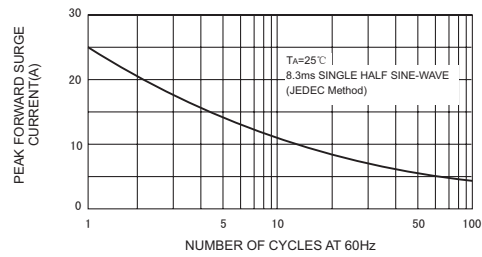


FIG.3-TYPICAL REVERSE CHARACTERISTICS

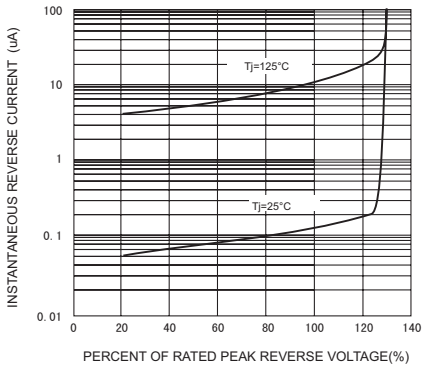


FIG.4-TYPICAL FORWARD CHARACTERISTICS

