KMB22F-KMB210F

2 AMP SURFACE MOUNT SCHOTTKY BRIDGE RECTIFIER

FEATURES

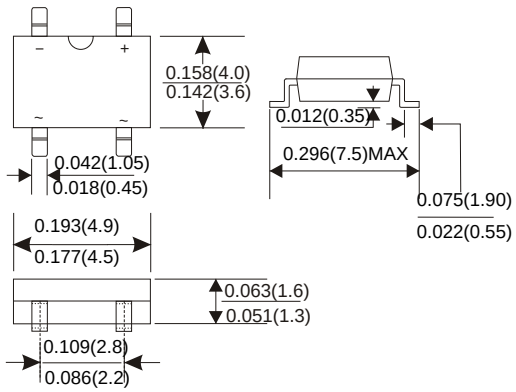
- Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed : 260°C/ 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension

MECHANICAL DATA

- Case : Molded Plastic
- Epoxy : Device has UL flammability classification 94V-0
- Mounting Position : Any
- Marking : Type Number
- Lead Free Finish/RoHS Compliant

VOLTAGE RANGE
20 to 100 Volts
CURRENT
2.0Ampere

MBF



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTIC

Rating at 25℃ ambient temperature unless otherwise specified.

Type Number	Symbol	KMB22F	KMB24F	KMB26F	KMB28F	KMB210F	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	20	40	60	80	100	V
Maximum RMS Voltage	VRMS	14	28	42	56	70	V
Maximum DC Blocking Voltage	VDC	20	40	60	80	100	V
Maximum average forward output rectifiedcurrent	I(AV)	2					A
Peak Forward Surge Current, 8.3 ms single half-sine-wave superimposed on rated load (JEDEC method)	IFSM	50					A
Maximum Instantaneous Forward Voltaget at 1.0A	VF	0.55		0.7	0.85		V
Maximum DC Reverse Current @ TA=25℃ at Rated DC Blocking Voltage @ TA=100℃	IR	0.5 20					mA
Typical ThermalResistance	R_{thJA} R_{thJL}	88 (2) 28 (2)					℃/W
Operating and Storage Temperature Range	Tj, T_{STG}	-55 to +150					ºC

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7

2. High Temperature Solder Exemption Applied, see EU Directive Annex Notes, mounted on 0.2*0.2"(5.0*5.0mm) copper pad areas.

RATING AND CHARACTERTIC CURVES

(TA=25℃ unless otherwise noted)

FIG.1- FORWARD CURRENT DERATING CURVE

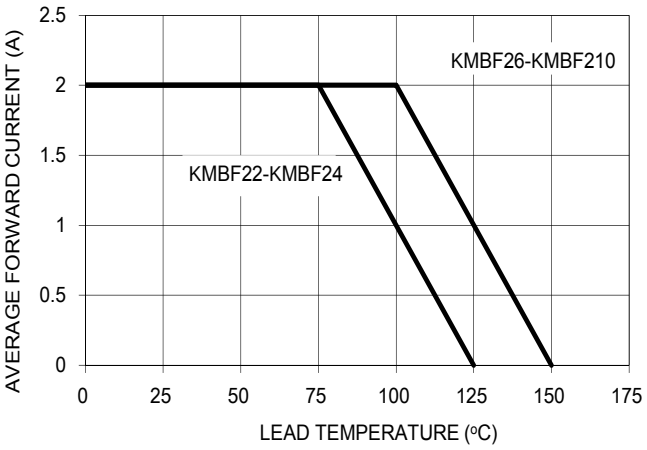


FIG. 2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

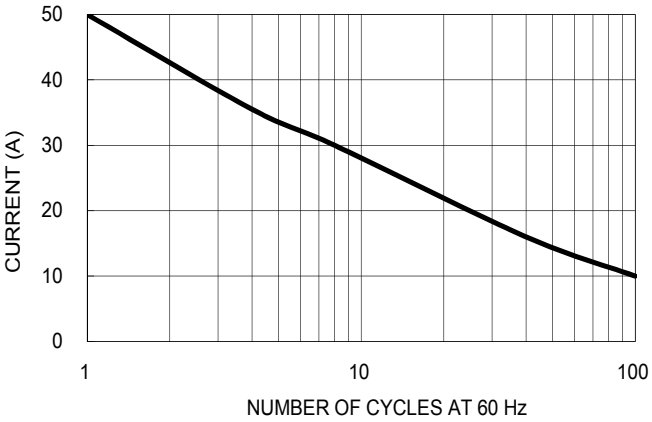


FIG. 3- TYPICAL FORWARD CHARACTERISTICS

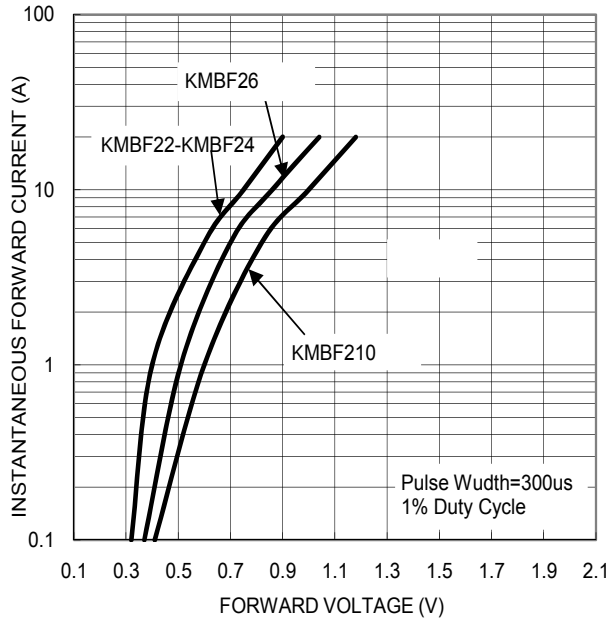


FIG. 4- TYPICAL REVERSE CHARACTERISTICS