

### Features

- ◆ Ideal for printed circuit board
- ◆ Reliable low cost construction utilizing molded plastic technique
- ◆ High temperature soldering guaranteed: 260°/10 seconds at 5 lbs., (2.3kg) tension
- ◆ Small size, simple installation
- ◆ High surge current capability

### Mechanical Data

**Case** : JEDEC MBS Molded plastic body

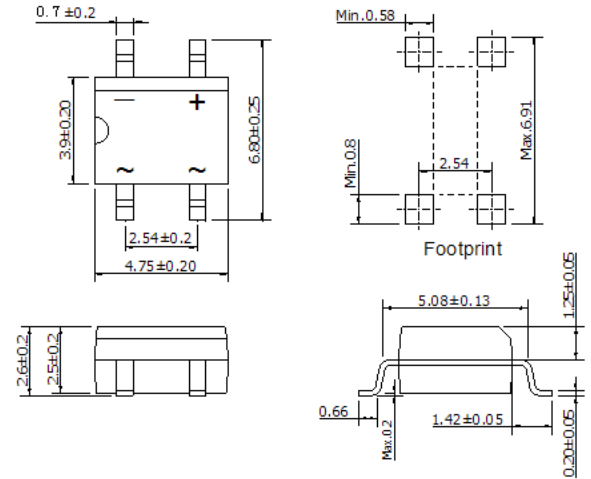
**Terminals** : Solder plated, solderable per MIL-STD-750, Method 2026

**Polarity** : Polarity symbol marking on body

**Mounting Position** : Any

**Weight** : 0.0035 ounce, 0.1 grams

### MBS



### 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 current derate by 20%.

Parameter	SYMBOLS	KMB24S	KMB26S	KMB28S	KMB210S	KMB220S	UNITS
Maximum repetitive peak reverse voltage	$V_{RRM}$	40	60	80	100	200	V
Maximum RMS voltage	$V_{RMS}$	28	42	56	70	140	V
Maximum DC blocking voltage	$V_{DC}$	40	60	80	100	200	V
Maximum average forward rectified current	$I_{F(AV)}$	2.0					A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	50					A
Maximum instantaneous forward voltage at 1A	$V_F$	0.50	0.70	0.85			V
Maximum DC reverse current at rated DC blocking voltage	$I_R$	0.3 10		0.1 2			mA
Typical junction capacitance at 4.0V, 1.0MHz	$C_j$	200					pF
Typical thermal resistance	$R_{\theta JA}$ $R_{\theta JL}$	100 20					°C/W
Operating temperature range	$T_J$	-55 to +125					°C
storage temperature range	$T_{STG}$	-55 to +150					°C

NOTE: 1. Measured at 1MHz and applied reverse voltage of 4 V D.C.

2. Mounted on glass epoxy P C board with 4 X (5X5mm) copper pad.



LGE

# KMB24S THRU KMB220S

## Schottky Bridge Rectifier



### Ratings And Characteristic Curves

Fig.1 Forward Current Derating Curve

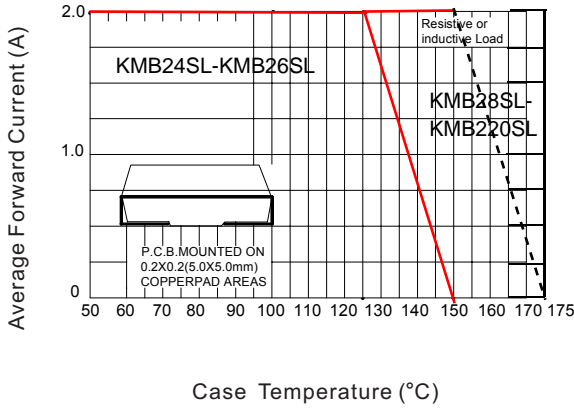


Fig.2 Typical Reverse Characteristics

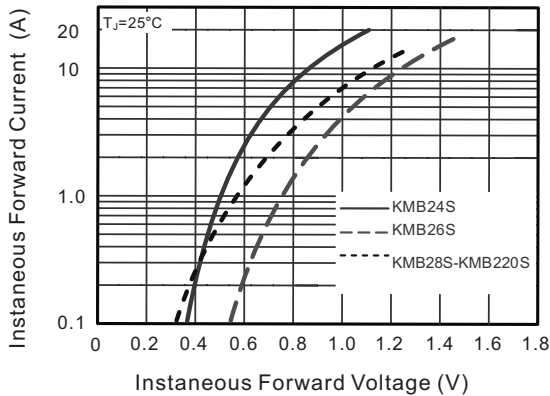
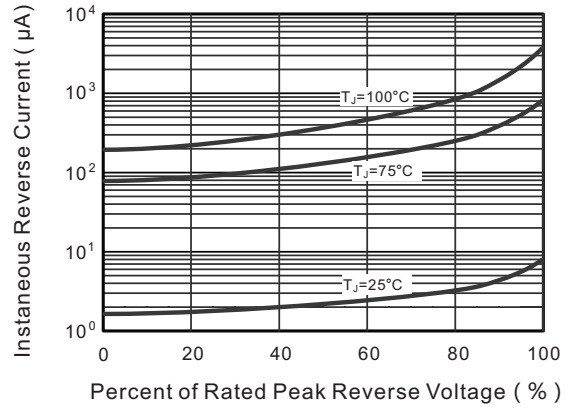


Fig.4 Typical Junction Capacitance

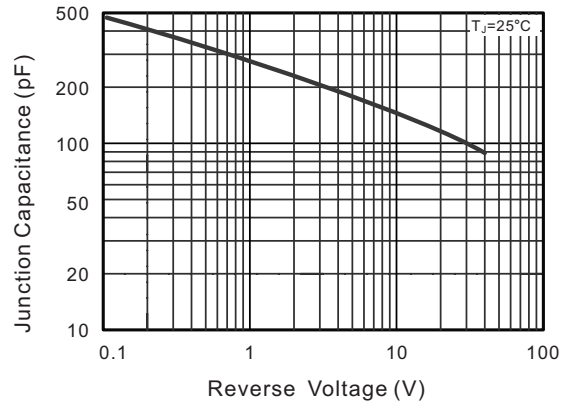


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

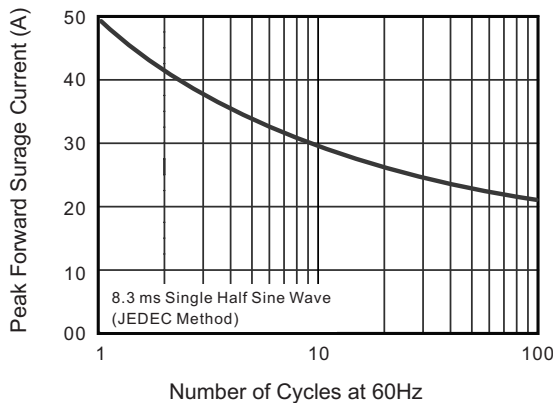


Fig.6- Typical Transient Thermal Impedance

