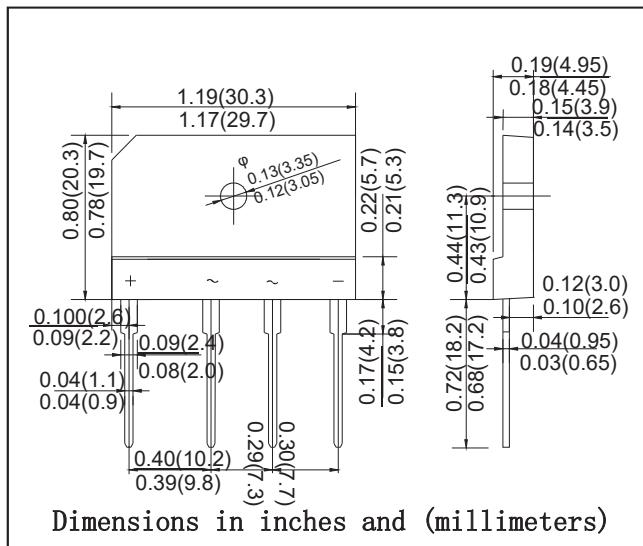


KBJ SILICON BRIDGE RECTIFIERV
REVERSE VOLTAGE: 50 --- 1000V CURRENT: 10.0A
FEATURES

- Rating to 1000V PRV
- Surge overload rating to 200 Amperes peak Ideal for printed circuit board
- Reliable low cost construction utilizing modern plastic technique results in inexpensive product
- Lead solderable per MIL-STD-202 Method 208

MECHANICAL DATA

- Polarity: Symbols molded on body
- Weight: 0.23 ounces, 6.6 gram s
- Mounting position: Any


MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted) Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

Parameter		KBJ 10A	KBJ 10B	KBJ 10D	KBJ 10G	KBJ 10J	KBJ 10K	KBJ 10M	UNITS
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum average forward Output current @T _A =110°C	I _{F(AV)}					10.0			A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I _{FSM}					200.0			A
Maximum instantaneous forward voltage at 5.0 A	V _F				1.1				V
Maximum reverse current @T _A =25°C at rated DC blocking voltage @T _A =100°C	I _R				5.0				μA
Typical junction capacitance per element	C _J				0.5				mA
Typical thermal resistance R _{θJC}					55				pF
Operating junction temperature range	T _J				1.4				°C/W
Storage temperature range	T _{STG}				-55 ---- + 150				°C
NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC									
2. Device mounted on 300mm X 300mm X 1.6mm cu Plate heatsink.									

NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC

2. Device mounted on 300mm X 300mm X 1.6mm cu Plate heatsink.

RATINGS AND CHARACTERISTIC CURVES

FIG.1 – PEAK FORWARD SURGE CURRENT

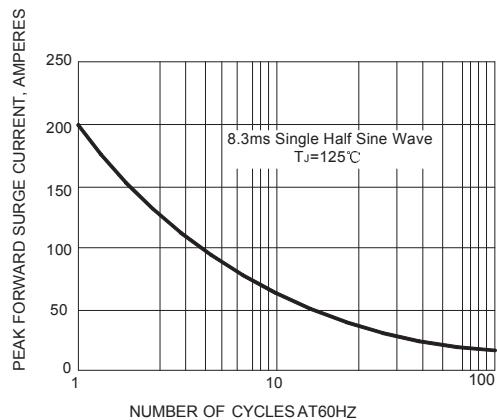


FIG.2 – FORWARD DERATING CURVE

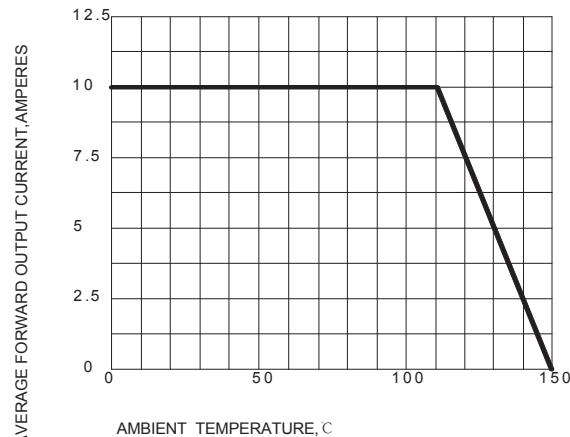


FIG.3 -- TYPICAL FORWARD CHARACTERISTIC

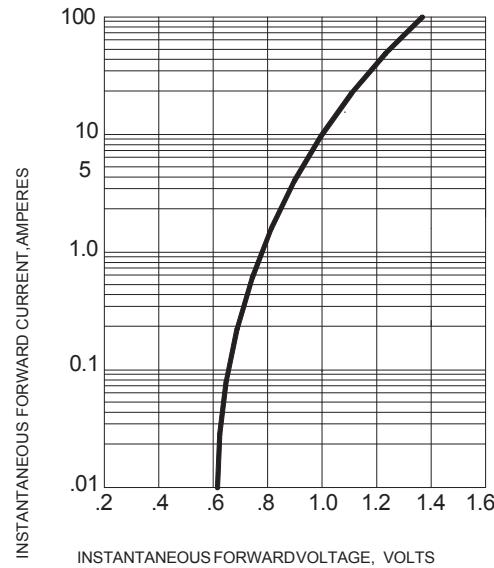


FIG.4 -- TYPICAL JUNCTION CAPACITANCE

