

BRIDGE RECTIFIER

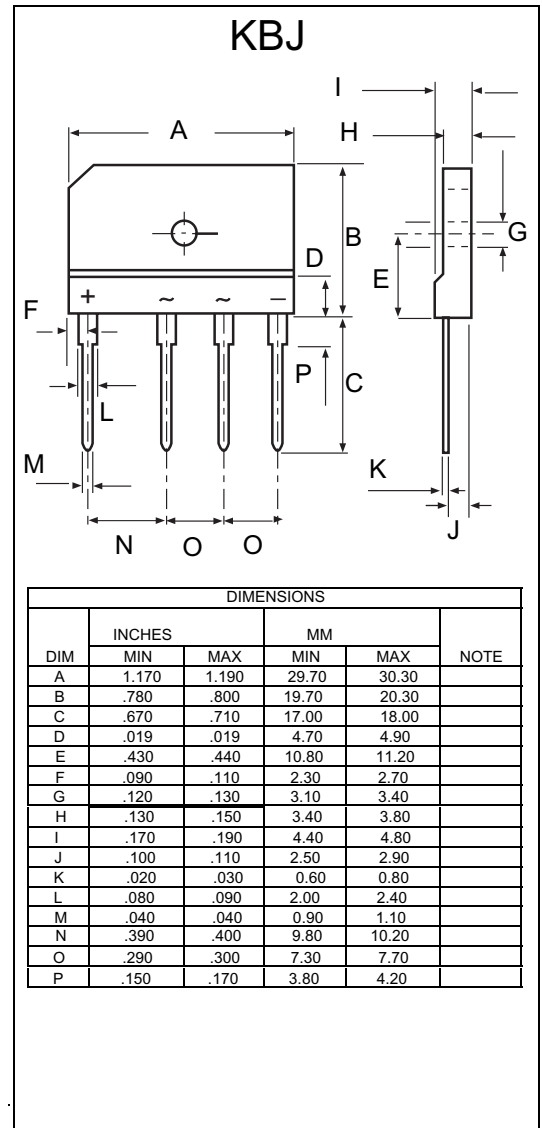
Features

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop, high current capability.
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- UL Recognized File # E165989

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
KBJ35005	KBJ35005	50V	35V	50V
KBJ3501	KBJ3501	100V	70V	100V
KBJ3502	KBJ3502	200V	140V	200V
KBJ3504	KBJ3504	400V	280V	400V
KBJ3506	KBJ3506	600V	420V	600V
KBJ3508	KBJ3508	800V	560V	800V
KBJ3510	KBJ3510	1000V	700V	1000V



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	35 A	$T_c = 100^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	350A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	1.05V	$I_{FM} = 17.5 \text{ A}$ $T_J = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μA 500uA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$
Typical thermal resistance	$R_{\theta JC}$	0.6°C/W	
Typical Junction Capacitance	C_J	85 pF	Measured at 1.0MHz, $V_R=4.0\text{V}$

*Pulse Test: Pulse Width 300 μsec , Duty Cycle 1%

BRIDGE RECTIFIER

RATING AND CHARACTERISTIC CURVES

