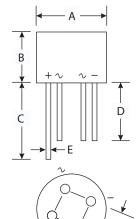


## **KB151 THRU KB157**

CURRENT 1.5 Amperes VOLTAGE 50 to 1000 Volts

### **Features**

- · Glass Passivated Die Construction
- · Diffused Junction
- · Low Forward Voltage Drop, High Current Capability
- · Surge Overload Rating to 50A Peak
- · Ideal for Printed Circuit Boards
- · Case to Terminal Isolation Voltage 1500V
- · Plastic Material UL Flammability Classification Rating 94V-0



#### WOB Dim Min Max 9.86 8.84 4.00 4.60 C 27.90 25.40 D 0.71 5.60 4.60 All Dimensions in mm

### Mechanical Data

· Case: WOB, Molded Plastic

· Terminals : Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: As Marked on Body
Weight: 1.3 grams (approx.)
Mounting Position: Any
Marking: Type Number

## Maximum Ratings And Electrical Characteristics

(Ratings at 25  $^{\circ}$ C ambient temperature unless otherwise specified, Single phase, half wave 60Hz, resistive or inductive load. For capacitive load, derate by 20%)

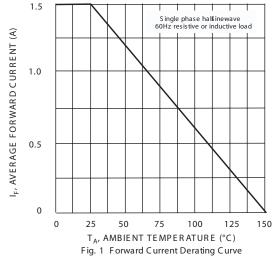
		Symbols	KB151	KB152	KB153	KB154	KB155	KB156	KB157	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		VRMM VRWM VR	50	100	200	400	600	800	1000	Volts
RMS Reverse Voltage		VRMS	35	70	140	280	420	560	700	Volts
Average Rectified Output Current @ Ta=25℃		lo	1.5							Amps
Non-Repetitive Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)		lfsm	50							Amps
Forward Voltage (per element)	rd Voltage (per element) @ IF=1.5 A			1.0						
Peak Reverse Current at Rated DC Blocking Voltage	@ Ta=25 ℃	IRM	5.0							μA
	@ Ta=100 ℃	IKIVI	500							
Typical Junction Capacitance (Note 1)		Cj	12							pF
Typical Thermal Resistance, Junction to Case (Note 2)		R⊖JA	84							°C/W
Operating and Storage Temperature Range		Tj Tstg	-65 to +150							°C

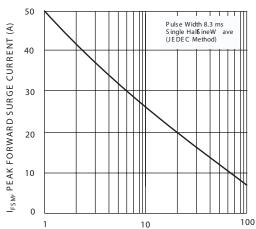
#### Notes:

- (1) Measured at 1.0MHz and Applied Reverse Voltage of 4.0V DC.
- (2) Thermal Resistance from junction to case mounted on PC board with 13 x 13mm (0.03mm thick) land areas.



# RATING AND CHARACTERISTIC CURVES KB151 THRU KB157





NUMBER OF CCLES AT 60 Hz Fig. 3 Max NonRepetitive Surge Current

