1EDG THRU 1EJG

ULTRAFAST EFFICIENT GLASS PASSIVATED RECTIFIER

VOLTAGE: 200 TO 600V **CURRENT: 1.0A**

FEATURE

Molded case feature for auto insertion
High current capability
Low leakage current
High surge capability
High temperature soldering guaranteed
250°C /10sec/0.375" lead length at 5 lbs tension
Glass Passivated chip

MECHANICAL DATA

Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C
Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy
Polarity: color band denotes cathode
Mounting position: any

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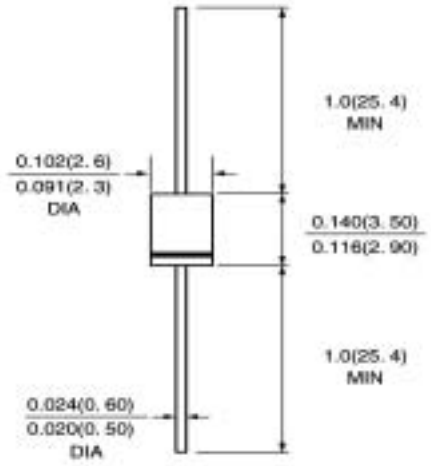

Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

	SYMBOL	1EDG	1EGG	1EJG	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	200	400	600	V
Maximum RMS Voltage	Vrms	140	280	420	V
Maximum DC blocking Voltage	Vdc	200	400	600	V
Maximum Average Forward Rectified Current 3/8" lead length at Ta =25°C	If(av)	1.0			A
Peak Forward Surge Current 8.3ms single Half sine-wave superimposed on rated load	Ifsm	30.0			A
Maximum Instantaneous Forward Voltage at rated forward current	Vf	1.0	1.3	1.8	V
Maximum full load reverse current full cycle at T_L =75°C	Ir(av)	50.0			μA
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =100°C	Ir	10.0 100.0			μA μA
Typical Junction Capacitance (Note 1)	Cj	15.0			pF
Maximum Reverse Recovery Time (Note 2)	Trr	35			nS
Operating Temperature (Note 3)	R(ja)	50.0			°C/W
Storage and Operation Junction Temperature	Tstg, Tj	-55 to +150			°C

Note:

1. Measured at 1.0 MHz and applied voltage of 4.0Vdc
2. Test Condition If =0.5A, Ir =1.0A, Irr =0.25A
3. Thermal Resistance from Junction to Ambient at 0.375" lead length, P.C. Board Mounted

RATINGS AND CHARACTERISTIC CURVES 1EDG THRU 1EJG

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