



GR26EG

GLASS PASSIVATED JUNCTION ULTRAFAST RECOVERY RECTIFIER

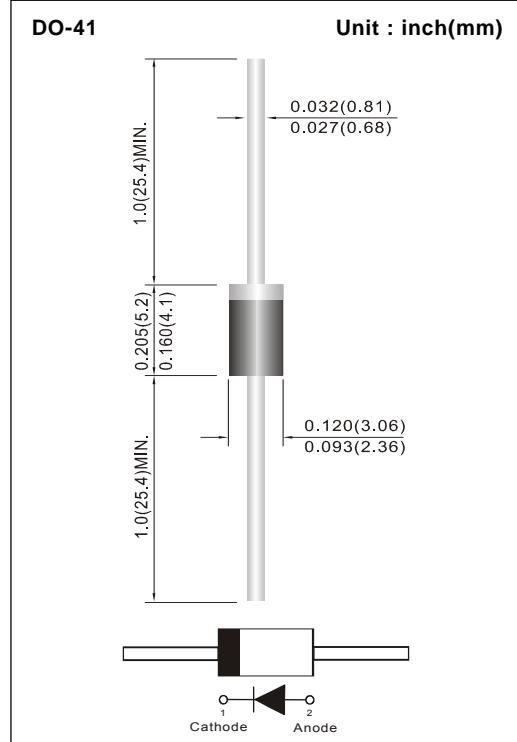
VOLTAGE 1000 Volt **CURRENT** 1 Ampere

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound
- Ultra Fast recovery for high efficiency.
- Lead free in compliance with EU RoHS 2011/65/EU directive

MECHANICAL DATA

Case: Molded plastic, DO-41
 Terminals: Axial leads, solderable per MIL-STD-750, Method 2026
 Polarity: Color band denotes cathode end
 Weight: 0.0118 ounce, 0.336 gram
 Marking: Part number



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.

PARAMETER	SYMBOL	VALUE	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Maximum Average Forward Current 0.375"(9.5mm) lead length at $T_A=55^\circ\text{C}$	$I_{F(AV)}$	1	A
Peak Forward Surge Current : 10ms single half sine-wave superimposed on rated load	I_{FSM}	30	A
Maximum Forward Voltage at 1A	V_F	1.7	V
Typical Forward Voltage at 1A $T_J=150^\circ\text{C}$	V_F	1.1	V
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_J=25^\circ\text{C}$ $T_J=125^\circ\text{C}$	I_R	1 150	μA
Typical Junction Capacitance (Note 1)	C_J	17	pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	60	$^\circ\text{C} / \text{W}$
Maximum Reverse Recovery Time (Note 3)	t_{rr}	75	ns
Maximum Power Dissipation at $T_{amb}=25^\circ\text{C}$	P_D	1.5	W
Typical Forward Reverse Time (Note 4)	t_{fr}	550	ns
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +175	$^\circ\text{C}$

NOTES :

1. Measured at 1 MHz and applied reverse voltage of 4 VDC.
2. Thermal Resistance from Junction to Ambient and from Junction to lead length 0.375"(9.5mm) P.C.B. mounted.
3. Reverse Recovery Time $I_F=0.5\text{A}$, $I_R=-1\text{A}$, $I_{rr}=-0.25\text{A}$
4. $I_F=1\text{A}$, $V_{Fmeas} = 1.1 \times V_F$



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RATING AND CHARACTERISTIC CURVES

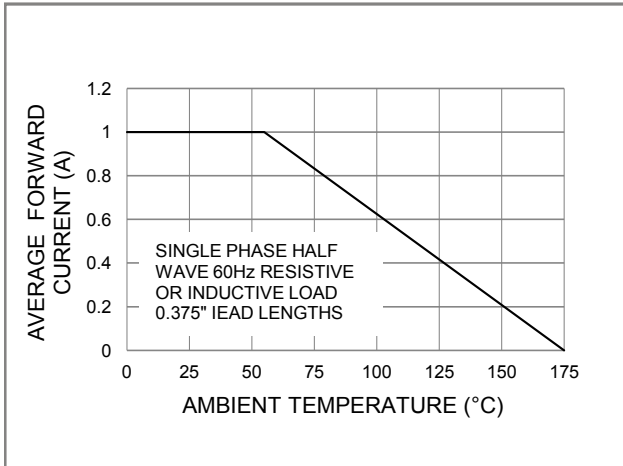


Fig. 1 FORWARD CURRENT DERATING CURVE

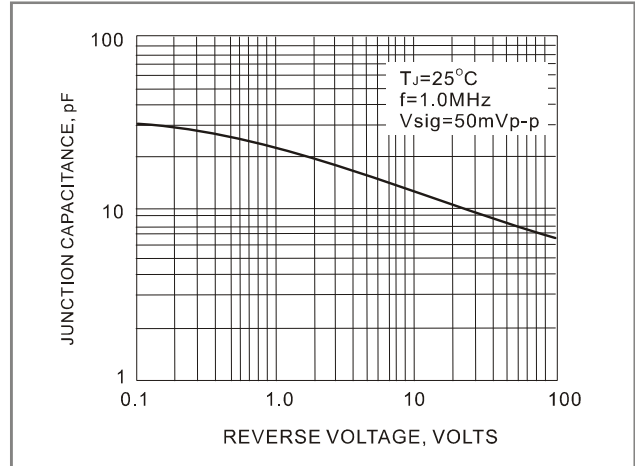


Fig. 2 TYPICAL JUNCTION CAPACITANCE

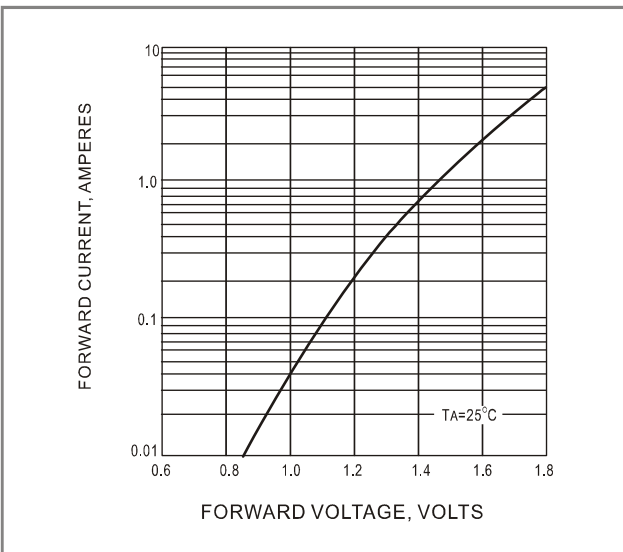


Fig. 3 FORWARD CHARACTERISTICS

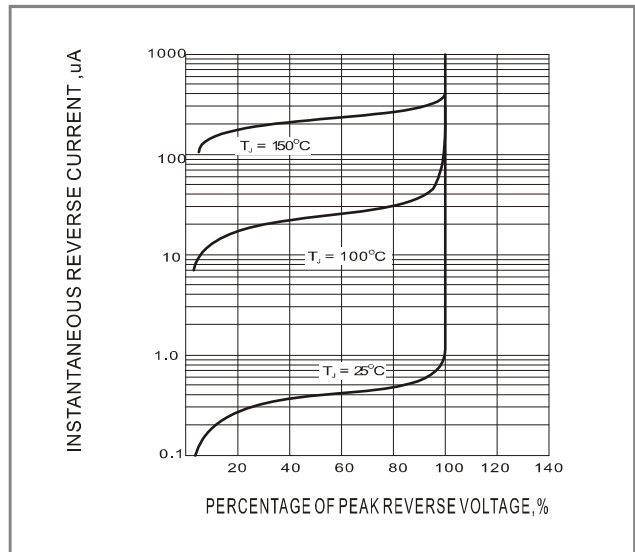


Fig. 4-TYPICAL REVERSE CHARACTERISTIC



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