## RGP10M-E

# SINTERED GLASS JUNCTION FAST SWITCHING PLASTIC RECTIFIER

VOLTAGE: 1000V CURRENT: 1.0A



#### **FEATURE**

High temperature metallurgically bonded construction Sintered glass cavity free junction Capability of meeting environmental standard of MIL-S-19500 High temperature soldering guaranteed 350°C /10sec/0.375"lead length at 5 lbs tension Operate at Ta =55°C with no thermal run away Typical Ir<0.1 $\mu$ A Halogen Free

#### **MECHANICAL DATA**

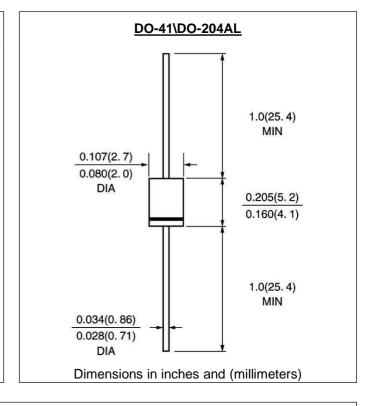
Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C

Case: Molded with UL-94 Class V-0 recognized Halogen

Free Epoxy

Polarity: color band denotes cathode

Mounting position: any



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

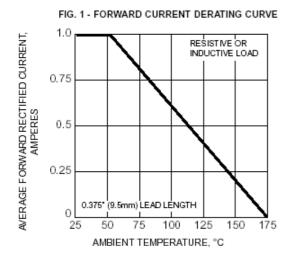
SYMBOL	RGP10M-E	units
Vrrm	1000	V
Vrms	700	V
Vdc	1000	V
If(av)	1.0	Α
Ifsm	30.0	Α
Vf	1.3	V
Ir(av)	100.0	μΑ
lr	5.0 200.0	μΑ
Trr	500	nS
Cj	15.0	pF
Rth(ja)	55.0	°C /W
Tstg, Tj	-65 to +175	°C
	Vrrm Vrms Vdc If(av) Ifsm Vf Ir(av) Ir Trr Cj Rth(ja)	Vrrm         1000           Vrms         700           Vdc         1000           If(av)         1.0           Ifsm         30.0           Vf         1.3           Ir(av)         100.0           Ir         5.0           200.0         Trr           500         Cj           Rth(ja)         55.0

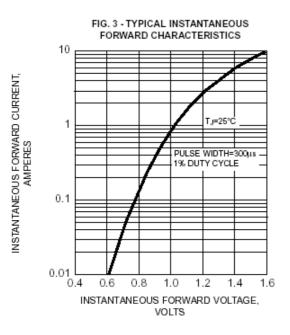
Note:

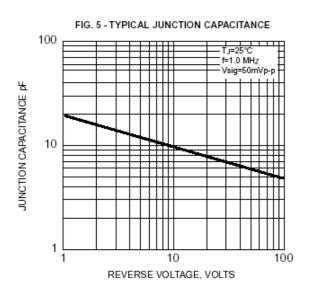
- 1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- 3. Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

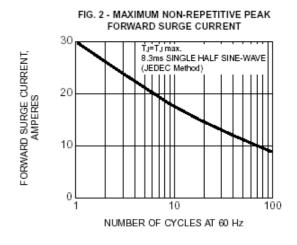
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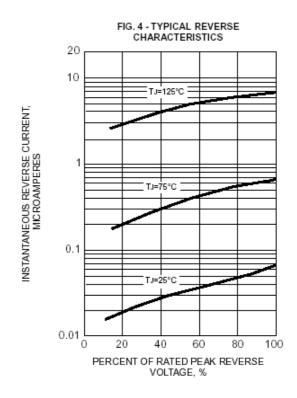
#### RATINGS AND CHARACTERISTIC CURVES RGP10M-E

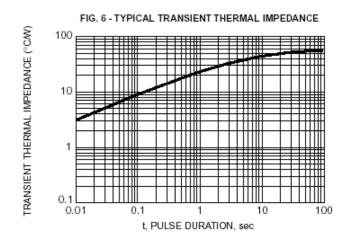












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