## BYV26EGP-15

# 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  $350^{\circ}$ 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

### **MECHANICAL DATA**

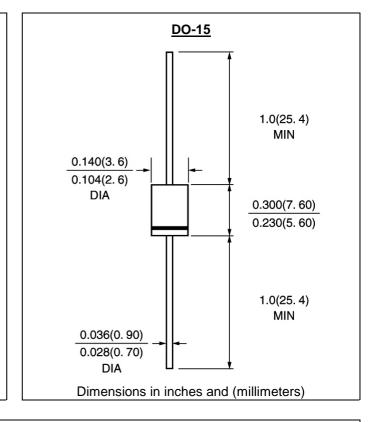
Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C

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

Retardant Epoxy

Polarity: color band denotes cathode

Mounting position: any



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

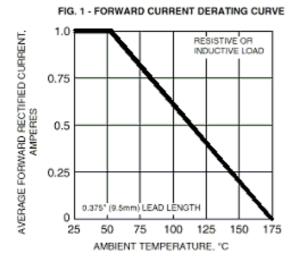
	SYMBOL	BYV26EGP-15	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	1000	V
Maximum RMS Voltage	Vrms	700	V
Maximum DC blocking Voltage	Vdc	1000	V
Reverse avalanche breakdown voltage at IR = 0.1 mA	$V_{(BR)R}$	1100min	V
Maximum Average Forward Rectified Current 3/8"le length at Ta =55°C	ead If(av)	1.0	А
Peak Forward Surge Current 8.3ms single half sine-was superimposed on rated load	113111	30	А
Maximum Forward Voltage at rated Forward Current a 50°C	ind Vf	2.5	V
Non-repetitive peak reverse avalanche energy (Note	1) Ersm	10	mJ
Maximum DC Reverse Current Ta =25° at rated DC blocking voltage Ta =150°	~ I Ir	5.0 150.0	μΑ
Maximum Reverse Recovery Time (Note	2) Trr	75	nS
Typical Junction Capacitance (Note	3) Cj	15.0	pF
Typical Thermal Resistance (Note	4) Rth(ja)	55.0	°C /W
Storage and Operating Junction Temperature	Tstg, Tj	-65 to +175	°C

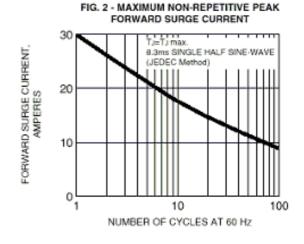
Note: 1.R=400mA; Tj=Tjmax prior to surge; inductive load switched off

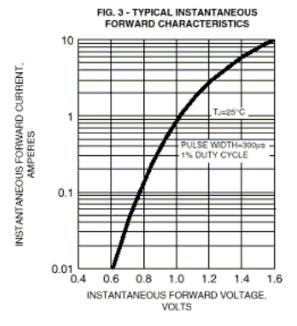
- 2.Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
- 3.Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- 4. Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

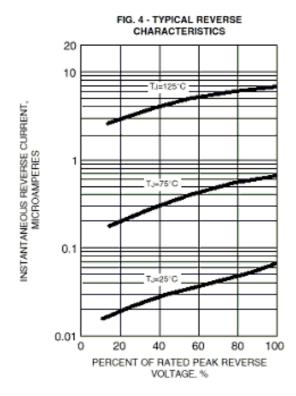
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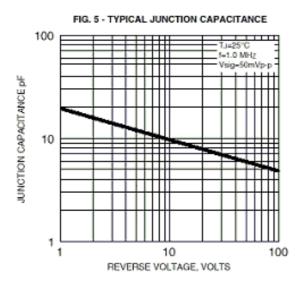
#### **RATINGS AND CHARACTERISTIC CURVES BYV26EGP-15**

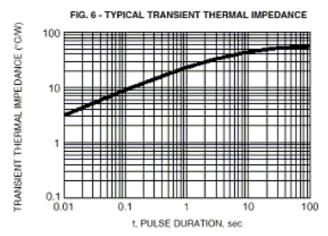












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