

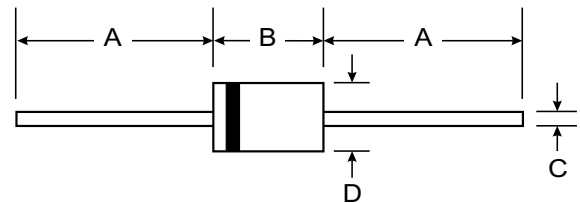
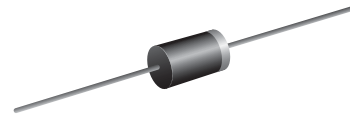
VOLTAGE RANGE: 50 - 1000V
CURRENT: 1.5 A

Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability

Mechanical Data

- Case: DO - 15, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.40 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



DO-15		
Dim	Min	Max
A	25.40	—
B	5.50	7.62
C	0.686	0.889
D	2.60	3.60
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	EGP 15A	EGP 15B	EGP 15D	EGP 15F	EGP 15G	EGP 15J	EGP 15K	EGP 15M	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	300	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	210	280	420	560	700	V
Average Rectified Output Current (Note 1) @TA = 55°C	IO	1.5								A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50								A
Forward Voltage @IF = 1.5A	VFM	1.0				1.3	1.7			V
Peak Reverse Current At Rated DC Blocking Voltage @TA = 25°C @TA = 125°C	IRM	5.0 80								µA
Reverse Recovery Time (Note 2)	trr	50					75			nS
Typical Junction Capacitance (Note 3)	Cj	50					30			pF
Typical thermal resistance	RθJA RθJL	40 15								°C / W
Storage Temperature Range	TSTG	-65 to +150								°C

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case

2. Measured with $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $IRR = 0.25\text{A}$. See figure 5.

3. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

RATINGS AND CHARACTERISTIC CURVES EGP15A THRU EGP15M

