

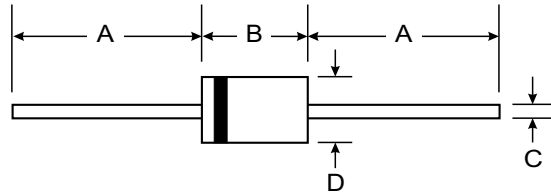
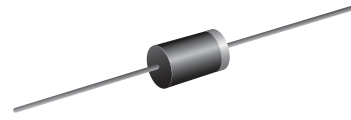
VOLTAGE RANGE: 1650V
CURRENT: 2.5 A

Features

- Glass passivated
- High maximum operating temperature
- Low leakage current
- Excellent stability

Mechanical Data

- Case: DO-201AD, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 1.2 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



DO-201AD		
Dim	Min	Max
A	25.40	—
B	7.20	9.50
C	1.20	1.30
D	4.80	5.30
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

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

Characteristic	Symbol	BY228GP	Unit
Maximum Non-Repetitive Peak Reverse Voltage	V _{rsm}	1650	V
Maximum Repetitive Peak Reverse Voltage	V _{rrm}	1650	V
Maximum Continuous Reverse Voltage	V _r	1500	V
Maximum RMS Voltage	V _{rms}	1050	V
Maximum DC blocking Voltage	V _{dc}	1500	V
Maximum Average Forward Rectified Current 0.375" (9.5mm) lead length at T _a = 50°C	I _{f(av)}	2.5	A
Non-Repetitive Peak Forward Surge Current at t=10ms half sine wave	I _{fsm}	50.0	A
Maximum Instantaneous Forward Voltage at 5.0A	V _f	1.50	V
Maximum DC Reverse Current at rated DC blocking voltage	I _r	5.0 150.0	μA
Typical Reverse Recovery Time (Note 1)	T _{rr}	1000	nS
Typical Thermal Resistance (Note 2)	R _{th(ja)}	75.0	K/W
Storage and Operating Junction Temperature	T _{stg} , T _j	-65 to +175	°C

Note:

1. Reverse Recovery Condition I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A
2. Device mounted on an epoxy-glass printed-circuit board, 1.5mm thick

RATINGS AND CHARACTERISTIC CURVES BY228GP

FIG. 1 - FORWARD CURRENT DERATING CURVE

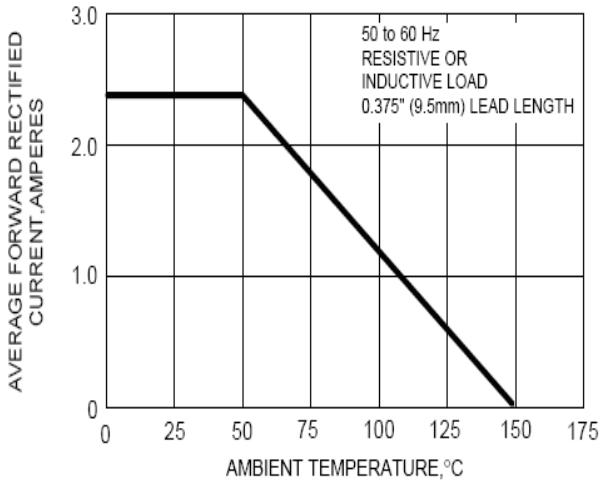


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

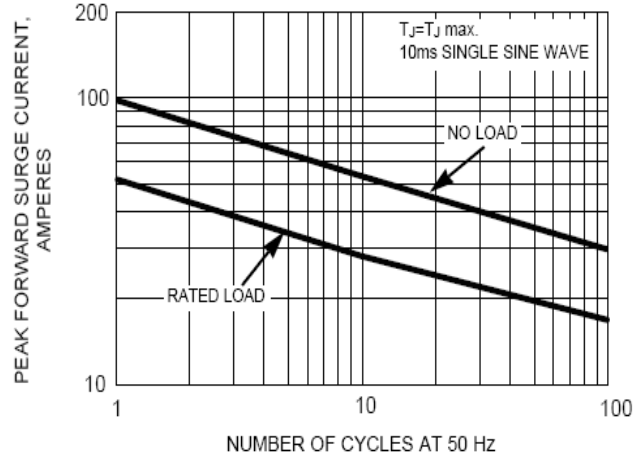


FIG. 3 - MAXIMUM PEAK REPETITIVE FORWARD SURGE CURRENT

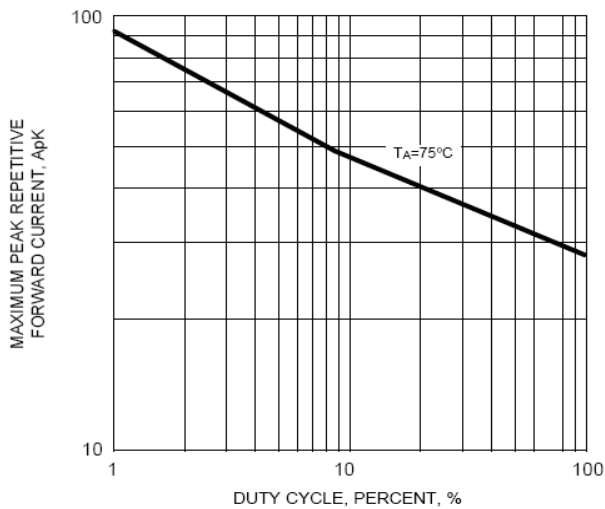


FIG. 4 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

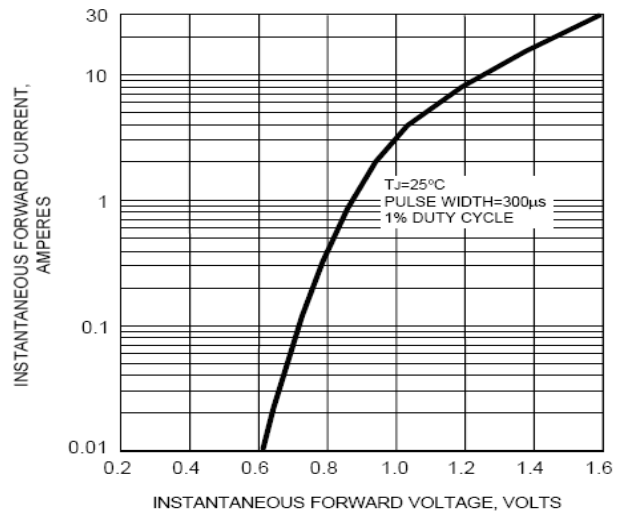


FIG. 5 - TYPICAL REVERSE CHARACTERISTICS

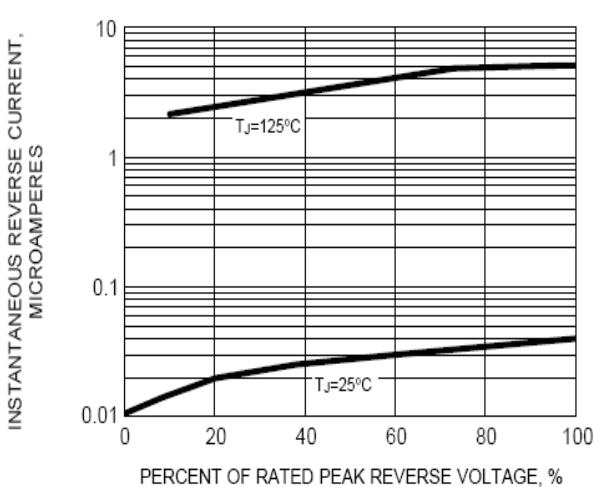


FIG. 6 - TYPICAL JUNCTION CAPACITANCE

