



AVALANCHE AUTOMOTIVE DIODE

GAARSL35Z

**AVALANCHE VOLTAGE
CURRENT**

**24 to 32 Volts
35 Ampere**

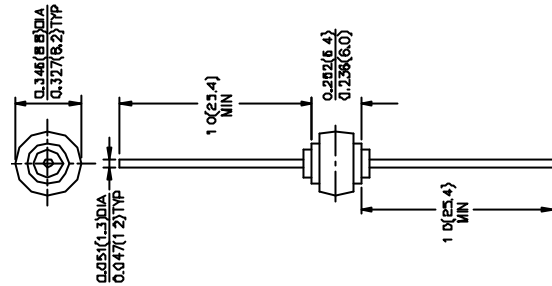
Technical Specification:

Features:

- High power capability
- Economical
- Avalanche Voltage: 24V to 32V

Mechanical Data:

- Case : transfer molded plastic
- Epoxy: UL94-0 rate flame retardant
- Color(silver) ring denotes cathode
- Technology vacuum soldered
- Lead: Plated slug, solderable per MIL-STD-202E method 208C
- Weight: 0.083 ounce, 2.32 gram



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Rating at 25°C ambient temperature unless otherwise specified.
- Single phase, half wave, 60Hz, resistive or inductive load.
- For capacitive load derate current by 20%.

Electrical Characteristics @25	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}		20		Volts
Working Peak Reverse Voltage	V_{RWM}		20		
DC Blocking Voltage	V_{DC}		20		
Average Rectified Forward Current ($T_C=105^\circ C$)	I_o		35		Amps
Repetitive Peak Reverse Surge Current $T_C=10msec$ Dury Cycle <1%	I_{RSM}		35		Amps
Breakdown Voltage ($V_{br}@I_r=100mA, T_C=25^\circ C$) $I_r=90Amps, T_c=150^\circ C, PW=80\mu sec$	V_{br1}	24	25/27	32	Volts
	V_{br2}			40	Volts
Forward Voltage Drop (V_{fwd})@ $I_f=100Amps < 300\mu sec$	V_F	1.06	1.08	1.10	Volts
Peak Forward Surge Current	I_{FSM}		500		Amps
Reverse Leakage ($V_R=20Vdc$) $T_A=25^\circ C$	I_R	0.2	1.0	2.0	μ Amps
Operating and Storage Junction Temperature Range	T_J, T_{STG}		-65to+175		$^\circ C$

NOTES: 1.Enough heatsink must be considered in application.

