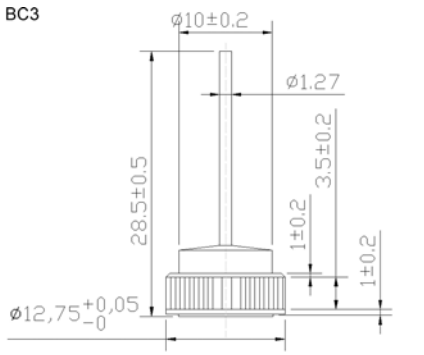
# GAABJ35Z

Press Fit Avalanche Automotive Rectifier
Avalanche Voltage 24 to 32Volts  Current 35 Amps

## Technical Specification:

### Features:

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




**Dimensions in millimeters**

### Mechanical Data:

- Case: Copper case
- Epoxy: UL94-0 rate flame ratardant
- Chip: Glass passivated chip or oj chip
- Polarity: As marked of case bottom
- Technology vacuum soldered
- Lead: Plated lead, solderable per MIL-STD-202E method 208C
- Weight: 0.229 ounces 6.48 grams

## ■Maximum Ratings and Electrical Characteristics

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

| Electrical Characteristics @ 25°C | Symbols | Min. | Nominal | Max. | Units |
|---|---|---|---|---|---|
| Peak repetitive reverse voltage<br>Working peak reverse voltage<br>DC blocking voltage | $V_{RRM}$<br>$V_{RWM}$<br>$V_{DC}$ | | 20<br>20<br>20 | | Volts |
| Average rectified forward current at $T_C$=125°C | $I_O$ | | 35 | | Amps |
| Repetitive peak reverse surge current<br>$T_C$=80msec duty cycle <1% | $I_{RSM}$ | | 35 | | Amps |
| Breakdown voltage ($V_{br}$ @ $I_F$=100mA, $T_C$=25°C)<br>$I_F$=90Amps, $T_C$=150°C, PW=80usec | $V_{br1}$<br>$V_{br2}$ | 24 | 25/27 | 32<br>40 | Volts |
| Forward voltage drop ($V_{fm}$) @ $I_F$=100Amps<300usec | $V_F$ | 0.98 | 1.05 | 1.08 | Volts |
| Peak forward surge current | $I_{FSM}$ | | 400 | | Ampes |
| Reverse leakage ($V_R$=20Vdc) $T_A$=25°C | $I_R$ | 0.2 | 1.0 | 2.0 | uA |
| Operating junction and storage temperature range | $T_J$, $T_{STG}$ | | -65 to +175 | | °C |

**Notes:** 1. Enough heatsink must be considered in application.

