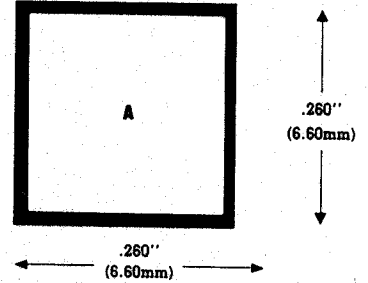


**PN EPITAXIAL FAST RECOVERY PLANAR POWER DIODE**

CHIP NUMBER

535



Anode: .235" x .235" (5.97mm x 5.97mm)

**CONTACT METALLIZATION**

Anode: > 50,000 Å Aluminum

Cathode: Gold

(Polished silicon or "Chrome Nickel Silver" also available)

Also available on:

**MOLY PEDESTAL**

Size: .389" x .389" Diameter (9.88mm x 9.88mm)

Thickness: .020" (0.51mm)

**BeO PEDESTAL**

Size: .430" x .500" (10.92mm x 12.70mm)

Thickness: .060" (1.52mm)

**ASSEMBLY RECOMMENDATIONS**

It is advisable that:

- a) the chip be eutectically mounted with gold silicon preform 98/2%.
- b) 18 mil (0.457mm) aluminum wire be ultrasonically attached to the anode contact.

**TYPICAL ELECTRICAL CHARACTERISTICS AT 25°C**

The following typical electrical characteristics apply for a completely finished component employing the chip number 535 in a DO-4 or equivalent case:

Minimum $V_R$ @ 10 $\mu A$	$V_F$ @	$I_F$	$I_F$ Surge	Maximum $t_{rr}$ @ $I_F = I_R = 1.0A$ $I_{REC} = 0.25A$
> 50V	1.5V	100A	>700A	100 ns
> 80V	1.5V	100A	>700A	100 ns
> 100V	1.5V	100A	>700A	100 ns