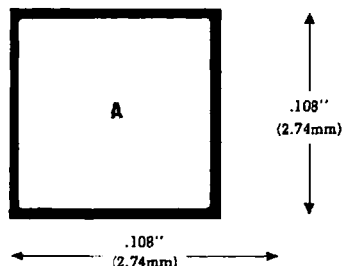


### CHIP NUMBER

# 532



Anode: 1.086" x 1.086" (2.18mm x 2.18mm)

### PN EPITAXIAL FAST RECOVERY PLANAR POWER DIODE

#### CONTACT METALLIZATION

Anode: > 50,000 Å Aluminum

Cathode: Gold

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

Also available on:

MOLY PEDESTAL

Size: .140" Diameter (3.56mm)

Thickness: .010" (0.25mm)

BeO PEDESTAL

Size: .142" x .178" (3.61mm x 4.52mm)

Thickness: .028" (0.71mm)

#### ASSEMBLY RECOMMENDATIONS

It is advisable that:

a) the chip be eutectically mounted with gold silicon preform 98/2%.

b) 12 mil (0.305mm) 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 532 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	1.3V	10A	> 200A	75 ns
> 80V	1.3V	10A	> 200A	75 ns
> 100V	1.3V	10A	> 200A	75 ns
> 400V	1.8V	10A	> 100A	75 ns