

SANTA ANA, CA

For more information call:
(714) 979-8220

SCOTTSDALE, AZ

FEATURES

- SILICON HIGH FORWARD CONDUCTANCE SWITCHING DIODE
- VOIDLESS* HERMETICALLY SEALED GLASS PACKAGE
- METALLURGICALLY BONDED (-1 TYPE)
- JANTX, TXV TYPES AVAILABLE PER MIL-S-19500/403
- * EXCLUDES DO-35 DUMET CONSTRUCTION OPTION.

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
Storage Temperature: -65°C to +200°C
Surge Current: 4 Amps (tp = 1μs)

ELECTRICAL CHARACTERISTICS
at 25°C unless otherwise specified.

BV	VRM (working)	IO (note 1)	if (surge) (1 sec)	if (surge) (1 μsec)	T _{OP}	T _{STG}
Vdc	V(pk)	mAdc	A	A	°C	°C
80	75	300	0.5	4.0	-65 to +175	-65 to +200

CAPACITANCE V _R = 0 Volts V _{sig} = 50 mVpp 100KHz ≤ f ≤ 1 MHz	V _{I1} @ I _F = 250 μAdc	V _{I2} @ I _F = 1.0mA	V _{I3} @ I _F = 10mA	V _{I4} @ I _F = 20mA	V _{I5} @ I _F = 300mA (pulse)	I _{rr} @ I _F = I _R 10mAdc R _L = 100 ohms
pF	Vdc	Vdc	Vdc	Vdc	Vdc	ns
4 max.	.47 - .56	.52 - .60	.64 - .72	.67 - .77	1.1 max.	6.0 max.

NOTE 1: DERATE 2.0 mAdc/°C For T_A Above 25°C.

**MILITARY
SWITCHING
DIODES**

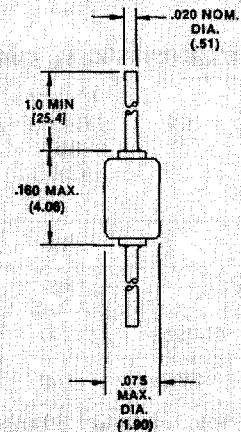


FIGURE 1
PACKAGE DO-35

**MECHANICAL
CHARACTERISTICS**

CASE: Hermetically sealed hard glass case.

LEAD MATERIAL: Tinned copper clad steel.

MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.