

1N6263

SCHOTTKY BARRIER DIODES

FEATURES

Hermetically Sealed
 Metalurgically Bonded
 Double Plug Construction

MAXIMUM RATINGS

Operating Temperature: -65° C to +200° C
 Storage Temperature: -65° C to +200° C
 Power Dissipation: 250 mW at 25° C
 Power Derating: 1.43 mW/°C above 25° C

ELECTRICAL CHARACTERISTICS @ 25° C, unless otherwise specified

PART NUMBER	MINIMUM BREAKDOWN VOLTAGE	MAXIMUM FORWARD VOLTAGE at $I_o = 15\text{mA}$	PEAK FWD. SURGE CURRENT @ 8.3MS SUPERIMPOSED	MAXIMUM REVERSE LEAKAGE CURRENT	MAXIMUM CAPACITANCE @ $V_R = 0$ VOLTS $F = 1.0$ MHz
	V_{BR} at 10 μA	V_F	I_{FSM}	I_R at 50V	C_T
	Volts	Volts	Amps	nA	Picofarads
1N6263	60	1.0	2.0	200	2.0

NOTE: Effective Minority Carrier Lifetime is 100 Pico Seonds

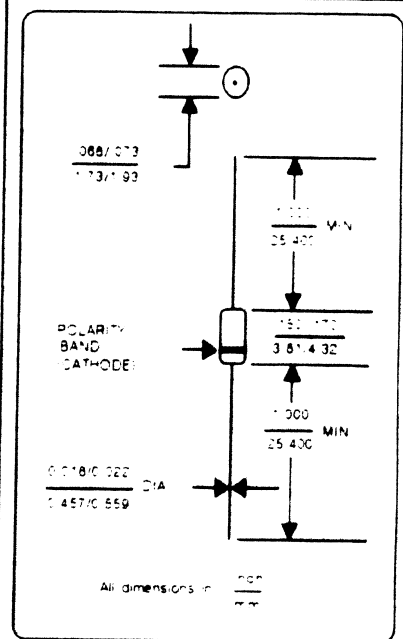


FIGURE 1

DESIGN DATA

CASE: Hermetically sealed glass case
 DO-35 Outline

LEAD MATERIAL: Copper clad steel

LEAD FINISH: Tin Plate

THERMAL RESISTANCE:

$R_{\theta J-C}$ at 3/8" lead spacing = 250 °C/W
 maximum

POLARITY: Diode to be operated with the banded (cathode) end positive with respect to the opposite end

WEIGHT: 0.14 Grams

MOUNTING POSITION: Any

