MEDIUM BARRIER SCHOTTKY DIODE

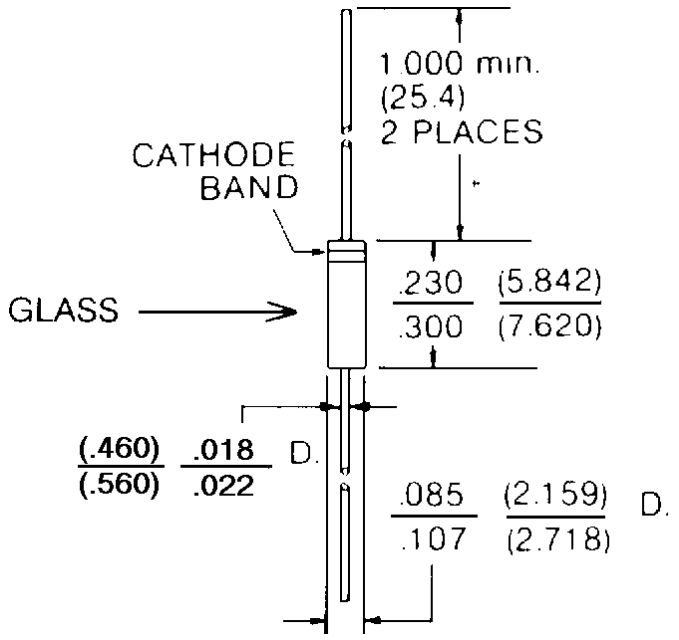
DESCRIPTION:

The **ASI 5082-2817** is a Silicon Small Signal Schottky Diode for General Purpose UHF/VHF Detection and Pulse Applications. Color Band Indicates Cathode.

FEATURES:

- Low Noise Figure

PACKAGE STYLE 15



MAXIMUM RATINGS

I_F	100 mA
V_R	15 V
P_{DISS}	250 mW @ T_A = 25 °C
T_J	-60 °C to +200 °C
T_{STG}	-60 °C to +200 °C
θ_{JC}	700 °C/W

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	I_R = 10 μA	15			V
I_R	V_R = 15 V			500	nA
V_F	I_F = 100 mA			0.5	V
C_J	V_R = 0 V f = 1.0 MHz			1.0	pF
NF	LO Power = 1.0 mW NF = 1.5 dB			6.0	dB
SWR	IF = 30 MHz DC Load Resistance = Ω			1.5:1	---
Z_{IF}	LO Power = 1.0 mW NF = 1.5 dB IF = 30 MHz DC Load Resistance = 100 Ω	250		400	Ω