

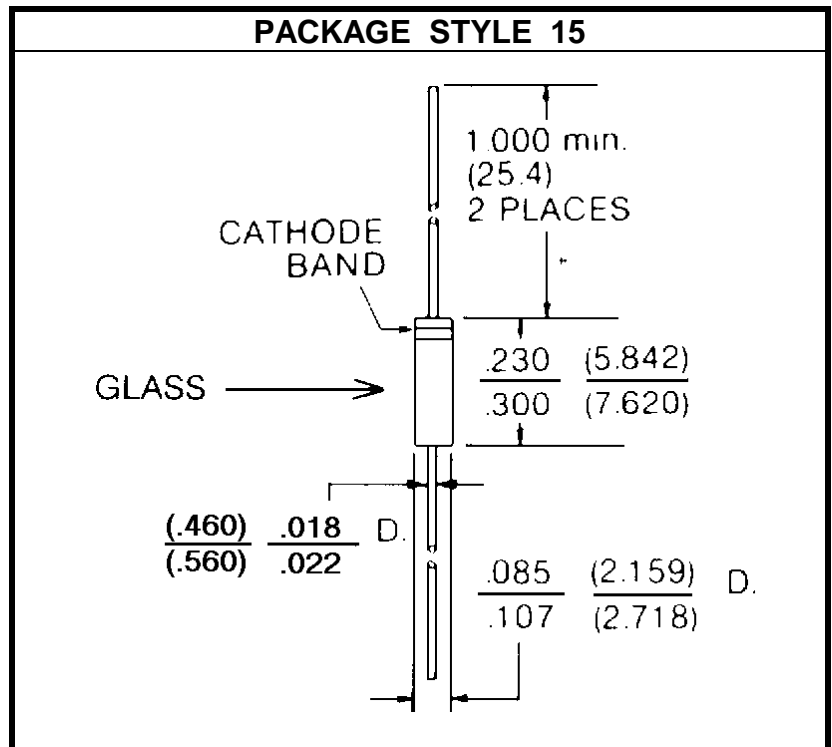
MEDIUM BARRIER SCHOTTKY DIODE

DESCRIPTION:

The **ASI 5082-2350** is a Silicon Small Signal Schottky Diode for General Purpose UHF/VHF Detection and Pulse Applications. Color Band Indicates Cathode.

MAXIMUM RATINGS

I_F	100 mA
V_R	30 V
P_{DISS}	100 mW @ $T_A = 25\text{ }^\circ\text{C}$
T_J	-60 $^\circ\text{C}$ to +100 $^\circ\text{C}$
T_{STG}	-60 $^\circ\text{C}$ to +200 $^\circ\text{C}$
θ_{JC}	750 $^\circ\text{C/W}$



CHARACTERISTICS $T_C = 25\text{ }^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10\text{ }\mu\text{A}$	30			V
I_R	$V_R = 15\text{ V}$			500	nA
V_F	$I_F = 100\text{ mA}$			0.5	V
C_J	$V_R = 0\text{ V}$ $f = 1.0\text{ MHz}$			0.9	pF
NF SWR	LO Power = 1.0 mW $NF = 1.5\text{ dB}$ IF = 30 MHz Zero DC Load Resistance			7.5 1.5:1	dB ---
Z_{IF}	LO Power = 1.0 mW $NF = 1.5\text{ dB}$ IF = 10 KHz Zero DC Load Resistance	150		250	Ω