

SCHOTTKY BARRIER DIODE

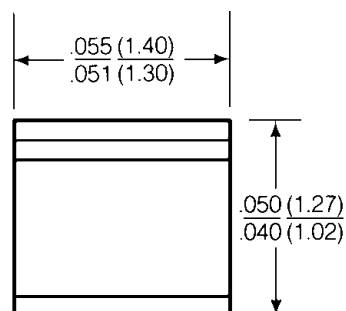
DESCRIPTION:

The **ASI 5082-2750** is a Silicon Small Signal Schottky Diode Designed for UHF/VHF Mixers, and Video Detector Applications. Color Dot Indicates Cathode.

MAXIMUM RATINGS

I	10 mA
V	4.0 V
P_{DISS}	100 mW @ T _A = 25 °C
T_J	-60 °C to +150 °C
T_{STG}	-60 °C to +150 °C
T_{SOLD}	t = 5.0 Sec. +260 °C

PACKAGE STYLE 44



CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
V _R	I _R = 10 μA			4.0			V
C _{J0}	V _R = 0 V	f = 1.0 MHz			1.0		pF
T _{SS}	f = 10 GHz					-55	dBm
R _V	P = -40 dBm	R _L = 100 KΩ	f = 10 GHz	1.2		1.6	KΩ
γ	P = -40 dBm	R _L = 100 KΩ	f = 10 GHz	5.0			mV/μW