

# SCHOTTKY BARRIER DIODE

## DESCRIPTION:

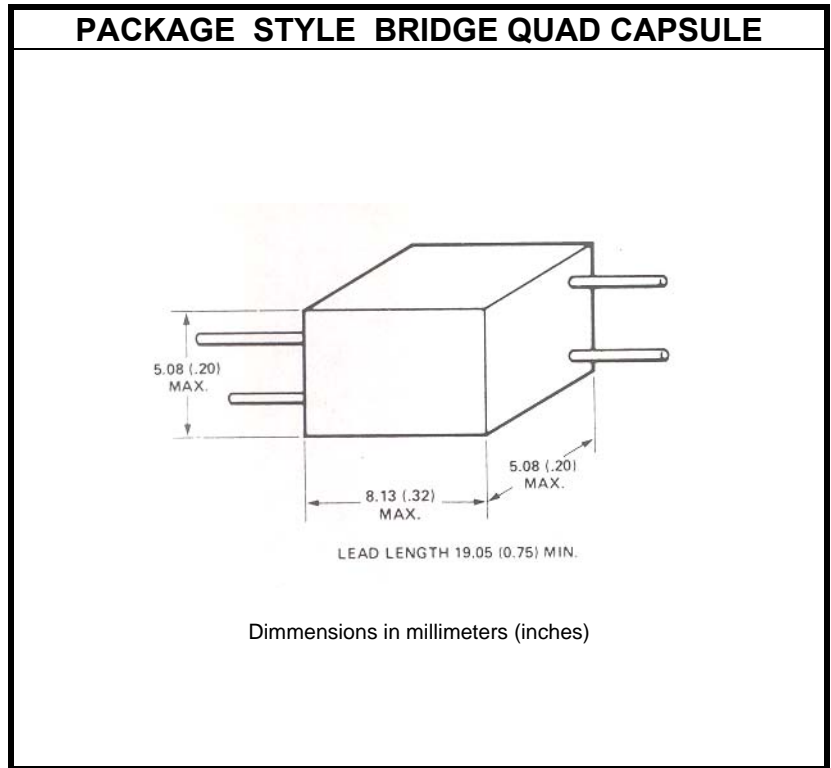
The **ASI 5082-2356** is a Silicon Small Signal Schottky Diode for General Purpose UHF/VHF Detection and Pulse Applications. Color Band Indicates Cathode.

## FEATURES:

- Matched Bridge Quad Encapsulated

## MAXIMUM RATINGS

$I_F$	35 mA
$V_R$	20 V
$P_{DISS}$	250 mW @ $T_A = 25\text{ }^\circ\text{C}$
$T_J$	-60 °C to +200 °C
$T_{STG}$	-60 °C to +200 °C
$\theta_{JC}$	700 °C/W



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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$V_{BR}$	$I_R = 10\text{ }\mu\text{A}$	20			V
$I_R$	$V_R = 15\text{ V}$			500	nA
$V_F$	$I_F = 1.0\text{ mA}$			0.4	V
	$I_F = 35\text{ mA}$			1.0	V
$\Delta V_F$	$I_F = 0.75, 20\text{ mA}$			20	mV
$\Delta C_O$		$f = 1.0\text{ MHz}$		0.2	pF
$C_T$	$V_R = 0\text{ V}$	$f = 1.0\text{ MHz}$		1.0	pF
$\tau$	$I_F = 20\text{ mA}$			100	pS