

SCHOTTKY MIXER DIODE

DESCRIPTION:

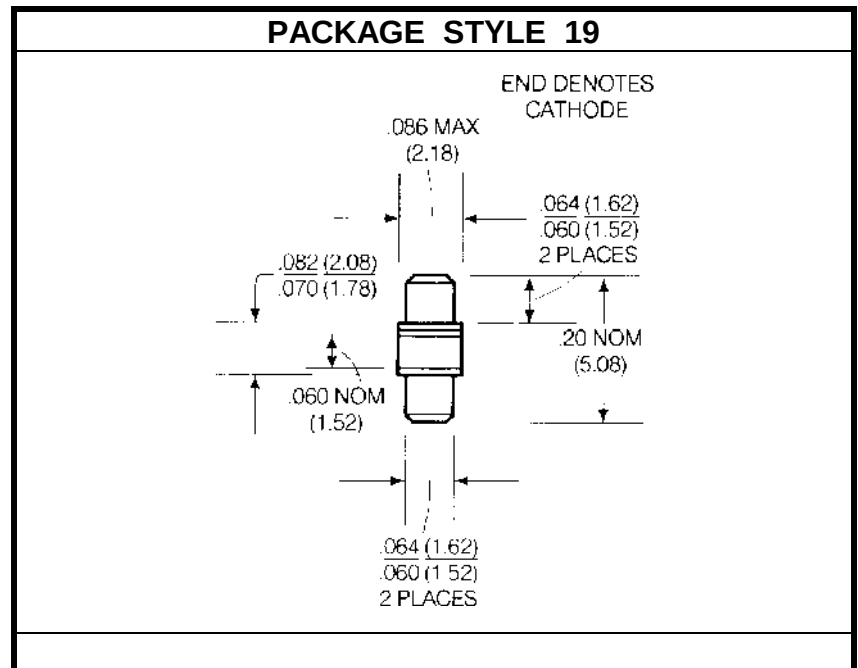
The **ASI MA40160** is a Silicon medium barrier Schottky Diode. Designed for normal L.O. drive, Mixer Applications up to 26 GHz.

FEATURES:

- Ceramic Package

MAXIMUM RATINGS

I_F	2.0 mA
V_R	3.0 V
P_{DISS}	75 mW @ $T_C = 25^\circ C$
T_J	$-65^\circ C$ to $+150^\circ C$
T_{STG}	$-65^\circ C$ to $+150^\circ C$



CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS			MINIMUM	TYPICAL	MAXIMUM	UNITS
V_F	$I_F = 2.0$ mA				200	500	mV
V_{BR}	$I_R = 3.0$ μ A			3.0			V
C_{J0}	$V_R = 0$ V	$f = 1$ MHz		0.06		0.10	pF
NF Z_{IF}	$F = 16$ Ghz $N_{IF} = 1.5$ dB	$P_{LO} = 10$ dBm $R_L = 22 \Omega$	$F_{IF} = 30$ KHz	250		6.5 450	dB Ohms
SRW	Peak power = 1 mW		$R_L = 22 \Omega$		0.2		---