

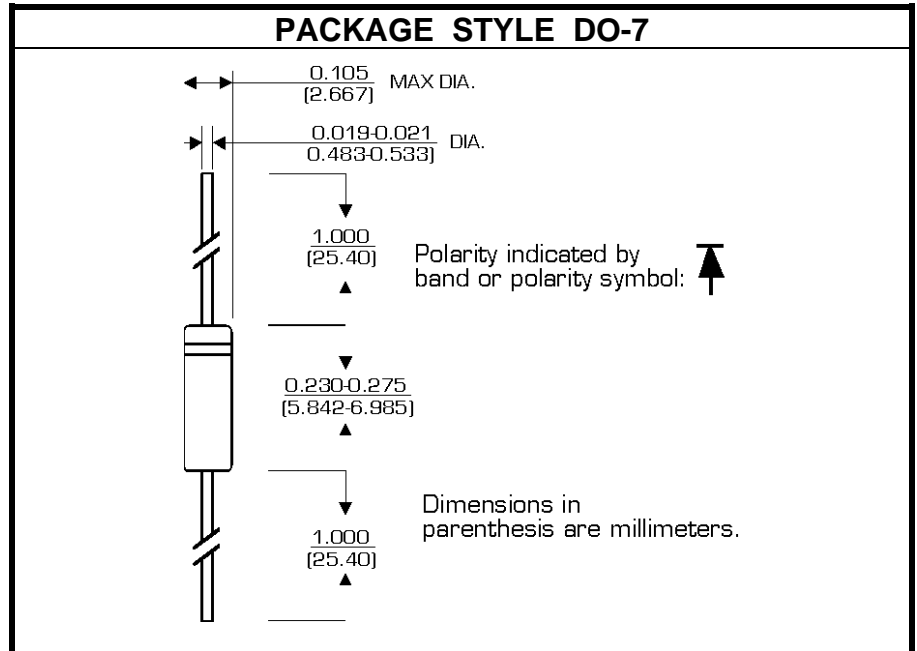
SILICON ABRUPT VARACTOR

DESCRIPTION:

The **ASI MV1648** is a Silicon Abrupt Varactor. This Device is Passivated With Silicon Dioxide Which Results in Very Low Leakage Current.

MAXIMUM RATINGS

I_C	100 mA
V_{BR}	20 V
P_{DISS}	400 mW @ T _C = 25 °C
T_J	-65 °C to +175 °C
T_{OPR}	-65 ° + 150 °C
T_{STG}	-65 °C to +150 °C



CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS	
V_B	I _R = 10 μA	20			V	
I_R	V _{DC} = 15 V			0.1	μA	
C_T	V _R = 4.0 V	f = 1.0 MHz	73.8	82.0	90.2	pF
ΔC_T	C _T = 2.0 V / C _T = 20 V	f = 1.0 MHz	2.0		3.2	RATIO
Q	V _R = 4.0 V	f = 50 MHz	150			
T_C	V _R = 4.0 V			300	Ppm/ °C	