

# TUNING VARACTOR

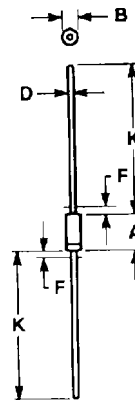
**DESCRIPTION:**

The **ASI MV1405HX** is a Silicon Hyper- Abrupt Junction Microwave Tuning Varactor Diode, With Screening to **TXV** Level.

**MAXIMUM RATINGS**

<b>I</b>	12 V
<b>V</b>	250 mA
<b>P<sub>DISS</sub></b>	400 mW @ T <sub>A</sub> = 25 °C
<b>T<sub>J</sub></b>	-65 °C to +175 °C
<b>T<sub>STG</sub></b>	-65 °C to +200 °C

PACKAGE STYLE D0-204AA				
Dim:	Millimeters		Inches	
	Min	Max	Min	Max
A	5.84	7.62	0.230	0.300
B	2.16	2.72	0.085	0.107
D	0.46	0.56	0.018	0.022
F	---	1.27	---	0.050
K	25.40	38.10	1.000	1.500


**CHARACTERISTICS** T<sub>A</sub> = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V <sub>B</sub>	I <sub>R</sub> = 10 μA	12			V
I <sub>R</sub>	V <sub>R</sub> = 10 V			100	μA
C <sub>t-2</sub>	V <sub>R</sub> = 2.0 V f = 1.0 MHz	200	250	300	pF
Q	V <sub>R</sub> = 2.0 V f = 1.0 MHz	200			--
L <sub>S</sub>	f = 250 MHz		5.0		μH
C <sub>C</sub>	f = 1.0 MHz		0.25		pF
T <sub>R</sub>	C <sub>t-2</sub> /C <sub>t-10</sub> f = 1.0 MHz	10			---