

TUNING VARACTOR

DESCRIPTION:

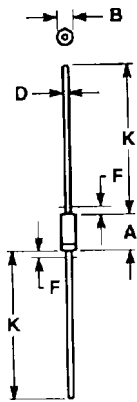
The **ASI MV1404** is a Silicon Hyper-Abrupt Junction Microwave Tuning Varactor Diode.

FEATURES:

- High Capacitance: 90 – 144pF
- High Q: 200 Min.

MAXIMUM RATINGS

I	12 V
V	250 mA
P_{DISS}	400 mW @ T _A = 25 °C
T_J	-65 °C to +125 °C
T_{STG}	-65 °C to +200 °C

PACKAGE STYLE D0-204AA						
		Millimeters		Inches		
		Dim:	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_A = 25 °C

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
V_B	I _R = 10 μA		12			V
I_R	V _R = 10 V				100	μA
C_{t-2}	V _R = 2.0 V	f = 1.0 MHz	96	120	144	pF
Q	V _R = 2.0 V	f = 1.0 MHz	200			---
L_S		f = 250 MHz		5.0		nH
C_C		f = 1.0 MHz		0.25		pF
T_R	Ct-2/Ct-10	f = 1.0 MHz	10			---