

TUNING VARACTOR

DESCRIPTION:

The **ASI MV1403** is a Silicon Hyper-Abrupt Junction Microwave Tuning Varactor Diode.

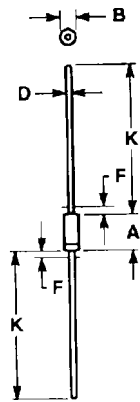
FEATURES:

- High Capacitance: 140 – 210pF
- 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			0.1	μA	
C_{t-2}	V _R = 2.0 V	f = 1.0 MHz	140	175	210	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	C _{t-2} /C _{t-10}	f = 1.0 MHz	10			---