

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				
٧	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										
→ B D → A		Millimeters		Inches						
	Dim:	Min	Max	Min	Max					
, F	Α	5.84	7.62	0.230	0.300					
<u> </u>	В	2.16	2.72	0.085	0.107					
⊥ ∏ T A	D	0.46	0.56	0.018	0.022					
A A H A	F		1.27		0.050					
\ \ \ F '	K	25.40	38.10	1.000	1.500					
-K										

CHARACTERISTICS T_A = 25 °C

SYMBOL	TEST CON	IDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{B}	$I_R = 10 \mu A$		12			V
I _R	V _R = 10 V				100	μА
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			
Ls		f = 250 MHz		5.0		nH
Cc		f = 1.0 MHz		0.25		pF
T _R	Ct-2/Ct-10	f = 1.0 MHz	10			