

TUNING VARACTOR

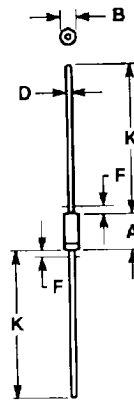
DESCRIPTION:

The **DKV6516** is a Silicon Hyper-Abrupt Junction Microwave Tuning Varactor Diode.

MAXIMUM RATINGS

V_R	12 V
I_F	40 mA
P_{DISS}	200 mW @ T _A = 25 °C
T_J	-55 °C to +125 °C
T_{STG}	-55 °C to +175 °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_A = 25°C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	I _R = 10 μA	12			V
I_R	V _R = 10 V			1	mA
C_{T2}	V _R = 2.0 V	f = 1.0 MHz	140		pF
C_{T10}	V _R = 10 V	f = 1.0 MHz		18	pF
C_{T2}/C_{T10}		f = 1.0 MHz	10		---
Q	V _R = 2.0 V	f = 1.0 MHz	200		