

SILICON HYPERABRUPT VARACTOR DIODE

DESCRIPTION:

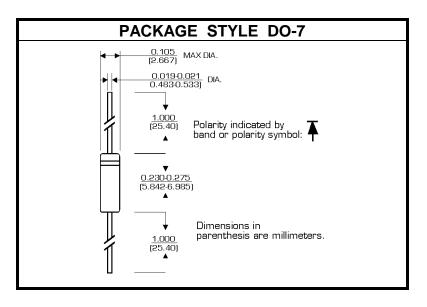
The **ASI DKV6522B** is a Silicon Hyperabrupt Varactor Diode Designed for VHF/UHF Filters and Oscillators Requiring Octave Tuning.

FEATURES INCLUDE:

- $C_{T4} = 50 \text{ pF Nominal}$
- C_{T4}/C_{T20} = 6.3 Typical
- Hermetic Glass Package

MAXIMUM RATINGS

I _F	100 mA				
V _R	22 V				
P _{DISS}	250 mW @T _c = 25 ^o C				
TJ	-55 ^o C to +150 ^o C				
T _{STG}	-65 ^o C to +200 ^o C				
T _{SOLD}	+230 ^o C for 5 seconds				



CHARACTERISTICS $T_{C} = 25 °C$

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
V _{BR}	I _R = 10 μA		22			V
I _R	V _R = 20 V				100	μA
C _T	V _R = 4.0 V V _R = 8.0 V V _R = 20 V	f = 1.0 MHz	45.0 18.0 7.3		55.0 25.0 9.2	pF
С _{т4} /С _{т8}	V _R = 4.0 & 8.0 V	f = 1.0 MHz	1.8		3.1	
C _{T4} /C _{T20}	V _R = 4.0. & 20 V	f = 1.0 MHz	5.6		6.9	
Q	V _R = 4.0 V	f = 50 MHz	125			

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