

SILICON HYPERABRUPT VARACTOR DIODE

DESCRIPTION:

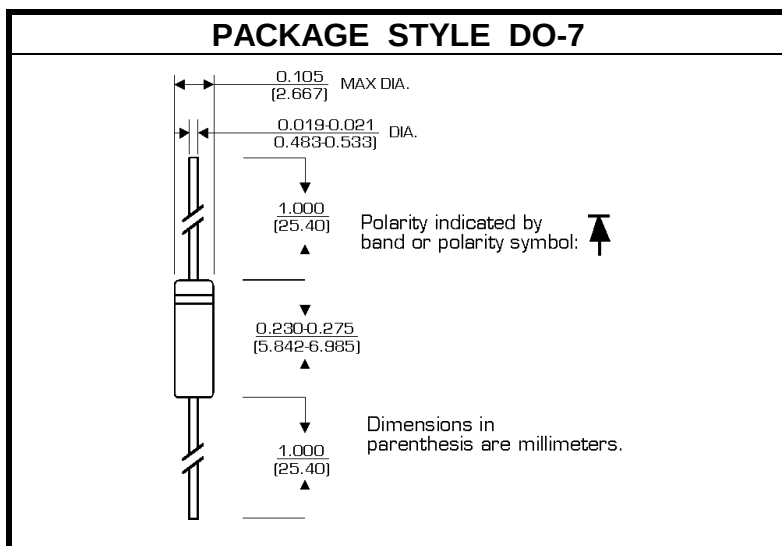
The **ASI DKV6522B** is a Silicon Hyperabrupt Varactor Diode Designed for VHF/UHF Filters and Oscillators Requiring Octave Tuning.

FEATURES INCLUDE:

- $C_{T4} = 50$ 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 @ $T_C = 25^\circ\text{C}$
T_J	-55°C to $+150^\circ\text{C}$
T_{STG}	-65°C to $+200^\circ\text{C}$
T_{SOLD}	$+230^\circ\text{C}$ for 5 seconds



CHARACTERISTICS $T_C = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10 \mu\text{A}$	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	45.0 18.0 7.3		55.0 25.0 9.2	pF
C_{T4}/C_{T8}	$V_R = 4.0$ & 8.0 V	1.8		3.1	---
C_{T4}/C_{T20}	$V_R = 4.0$ & 20 V	5.6		6.9	---
Q	$V_R = 4.0$ V	125			---