

SILICON HYPERABRUPT VARACTOR DIODE

DESCRIPTION:

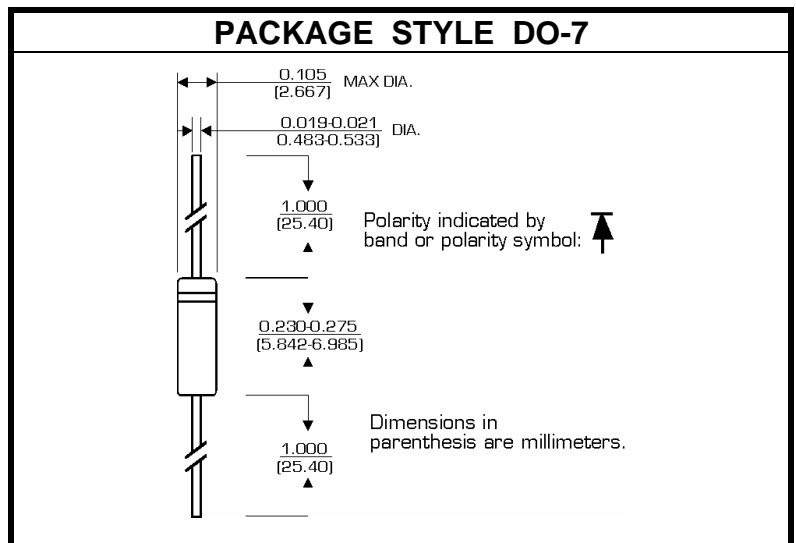
The **ASI DKV6522-24** is a Silicon Hyperabrupt Varactor Diode Designed for VHF/UHF Filters and Oscillators Requiring Octave Tuning.

FEATURES INCLUDE:

- $C_{T4} = 50$ pF Nominal
- $C_{T4}/C_{T20} = 6.0$ Typical
- Hermetic Glass Package

MAXIMUM RATINGS

I_F	100 mA
V_R	22 V
P_{DISS}	250 mW @ $T_C = 25$ °C
T_J	-55 °C to +150 °C
T_{STG}	-65 °C to +200 °C
T_{SOLD}	+230 °C for 5 seconds


CHARACTERISTICS $T_C = 25$ °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10$ μ A	22			V
I_R	$V_R = 20$ V			100	μ A
C_T	$V_R = 4.0$ V	47.5		52.5	pF
	$V_R = 8.0$ V	18.4		21.6	
	$V_R = 20$ V	7.3		9.2	
C_{T4}/C_{T8}	$V_R = 4.0$ & 8.0 V	2.2		2.8	---
C_{T4}/C_{T20}	$V_R = 4.0$ & 20 V	5.2		6.9	---
Q	$V_R = 4.0$ V	200			---