

SILICON HYPERABRUPT TUNING VARACTOR DIODE

DESCRIPTION:

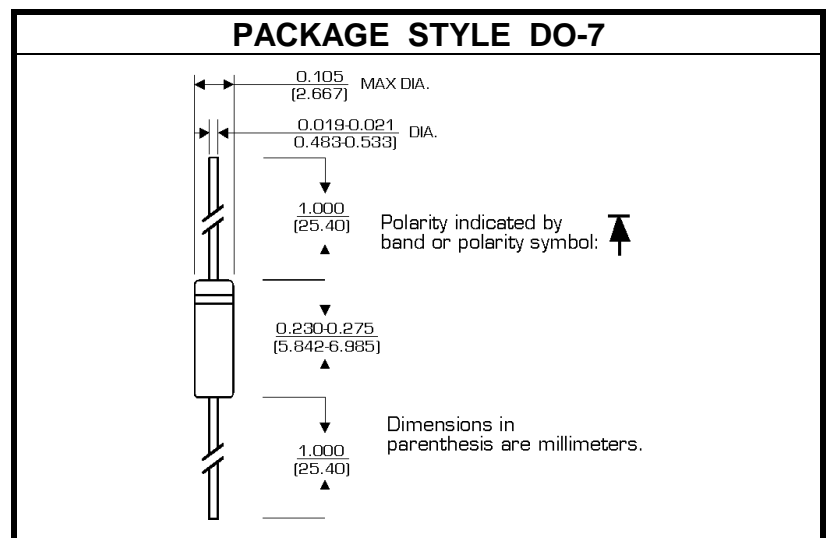
The **ASI DKV6522** is an Ion Implanted Silicon Hyperabrupt Tuning Varactor Designed for Octave Tuning up to 500 MHz.

FEATURES INCLUDE:

- C_{T4} = 50 pF Nominal
- Hermetic Glass Package

MAXIMUM RATINGS

I	50 mA
V	8.0 V
P_{DISS}	250 mW @ $T_C = 25\text{ }^\circ\text{C}$
T_J	-55 °C to +125 °C
T_{STG}	-55 °C to +175 °C


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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_B	$I_R = 10\text{ }\mu\text{A}$	8.0			V
I_R	$V_R = 6.0\text{ V}$			250	nA
C_T	$V_R = 2.5\text{ V}$	6.2		7.2	pF
	$V_R = 4.0\text{ V}$	45		55	
Q	$V_R = 4.0\text{ V}$	100			
T_{sold}	$t = 5.0\text{ SEC.}$			+230	°C