

# SILICON HYPERABRUPT VARACTOR DIODE

## DESCRIPTION:

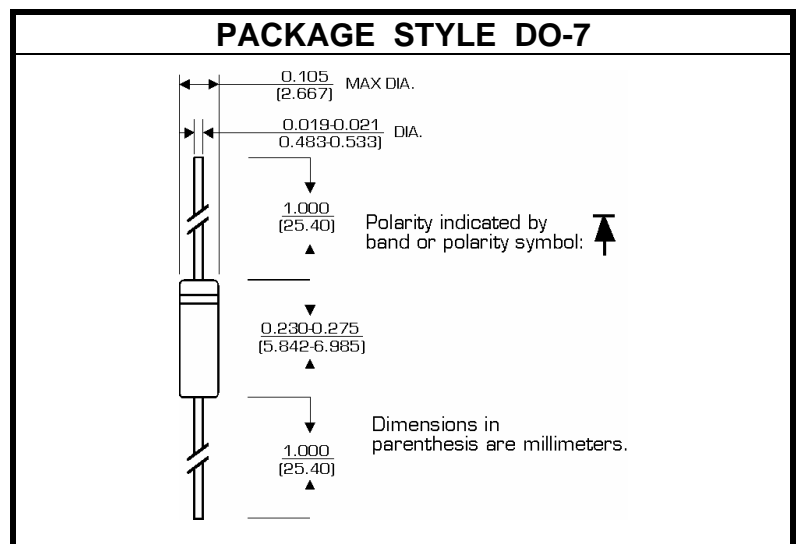
The **ASI DKV6522B** is a Silicon Hyperabrupt Varactor Diode Designed for VHF/UHF Filters and Oscillators Requiring Octave Tuning.

## FEATURES INCLUDE:

- $C_{T4} = 50$  pF Nominal
- $C_{T4}/C_{T20} = 6.2$  Typical
- Hermetic Glass Package

## MAXIMUM RATINGS

$I_F$	40 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 +175 °C
$T_{SOLD}$	+230 °C for 5 seconds



## CHARACTERISTICS $T_C = 25$ °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$V_{BR}$	$I_R = 10$ $\mu$ A	22			V
$I_R$	$V_R = 20$ V			100	$\mu$ A
$C_T$	$V_R = 4.0$ V	45.0		55.0	pF
	$V_R = 8.0$ V	18.0		25.0	
	$V_R = 20$ V	7.3		9.2	
$C_{T4}/C_{T20}$	$V_R = 4.0$ & 20 V	4.9		7.5	---
$Q$	$V_R = 4.0$ V	200			---