

SILICON HYPERABRUPT VARACTOR DIODE

DESCRIPTION:

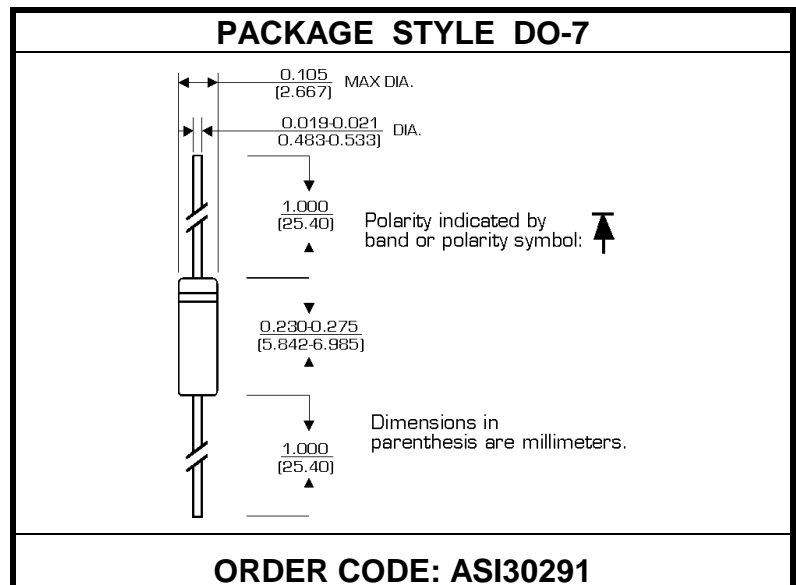
The **ASI DKV6520-12** is an Silicon Hyperabrupt Varactor Diode Designed for VHF/UHF Filters and Oscillators Requiring Octave Tuning.

FEATURES INCLUDE:

- $C_{T4} = 18$ pF Min.
- $C_{T4}/C_{T20} = 5.8$ 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	nA
C_T	$V_R = 4.0$ V	18.0		22.0	pF
	$V_R = 8.0$ V	7.5		10.5	
	$V_R = 20$ V	3.1		3.9	
C_{T4}/C_{T8}	$V_R = 4$ & 8 V	1.8		2.7	---
C_{T4}/C_{T20}	$V_R = 4$ & 20 V	5.4		6.6	---
Q	$V_R = 4.5$ V	150			---