

SILICON HYPERABRUPT VARACTOR DIODE

DESCRIPTION:

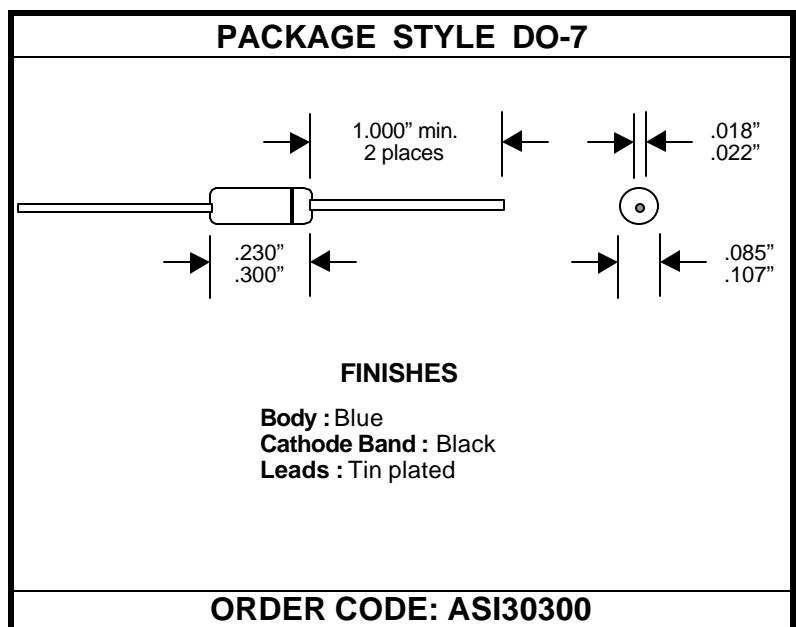
The **DKV6534B** is designed for UHF Filter and Oscillator Applications that Require Octave tuning.

FEATURES:

- $T_R = 5.8$ Typical at $V_R = 3 / 20$ V
- $Q = 300$ Typical at 3 V / 50 MHz
- Hermetic **DO-7** Package

MAXIMUM RATINGS

I_F	50 mA
V_R	22 V
P_{DISS}	250 mW @ $T_C = 25^\circ C$
T_J	$-55^\circ C$ to $+125^\circ C$
T_{STG}	$-55^\circ C$ to $+175^\circ C$


CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10 \mu A$	22			V
I_R	$V_R = 20$ V			100	nA
C_T	$V_R = 2.0$ V MHz	25		31	pF
	$V_R = 10$ V	10.0		13.5	
	$V_R = 20$ V	4.5		5.3	
T_R	$V_R = 3$ & 20 V MHz	4.7		6.9	---
Q	$V_R = 3.0$ V MHz	200	300		



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