

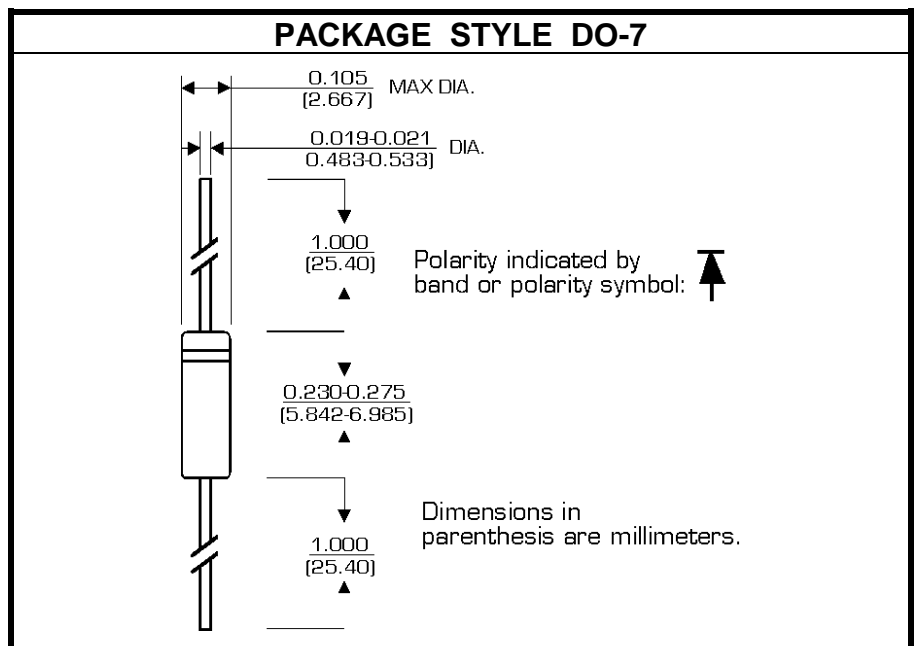
SILICON HYPERABRUPT TUNING VARACTOR

DESCRIPTION:

The **ASI KV2202** is a Silicon Hyperabrupt Tuning Varactor Diode Designed for UHF Applications up to 500 MHz. The Cathode is Indicated by a Color Band.

MAXIMUM RATINGS

I_F	40 mA
V_R	15 V
P_{DISS}	200 mW @ T _A = 25 °C
T_J	-55 °C to +175 °C
T_{STG}	-55 °C to +175 °C


CHARACTERISTICS T_A = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS		
V_R	I _R = 10 μA	15	18		V		
I_R	V _R = 10 V			100	nA		
C_{T4}	V _R = 4.0 V		f = 1.0 MHz	45	50	56	pF
C_{T8}	V _R = 8.0 V		f = 1.0 MHz	18	20	25	pF
ΔC_T	V _R = 4.0 to 8.0 V		f = 1.0 MHz	1.8	2.5	2.8	RATIO
Q	V _R = 4.0V		f = 50 MHz	125	165		