

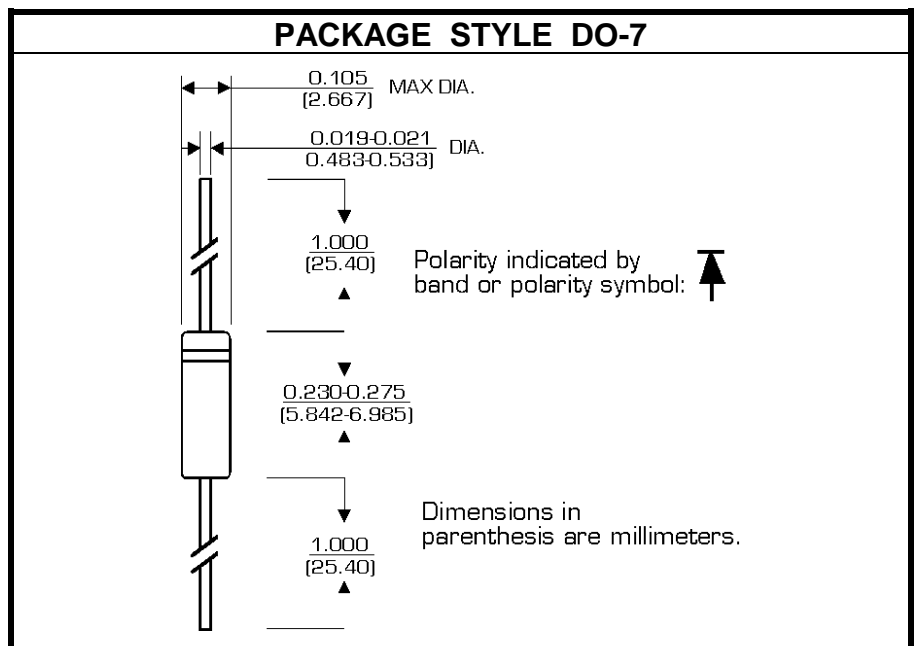
SILICON HYPERABRUPT TUNING VARACTOR

DESCRIPTION:

The **ASI KV2202A** 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	47.5	50	52.5	pF
C_{T8}	V _R = 8.0 V	f = 1.0 MHz	18.4	20	21.6	pF
ΔC_T	V _R = 4.0 to 8.0 V	f = 1.0 MHz	2.2	2.5	2.8	RATIO
Q	V _R = 4.0V	f = 50 MHz	125	165		