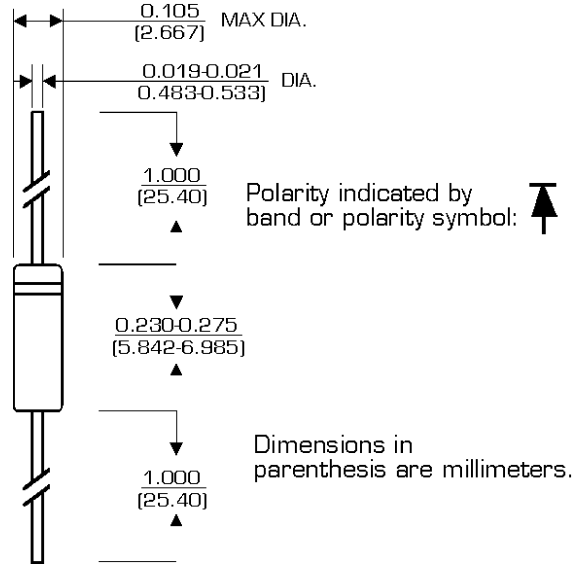
SILICON HYPERABRUPT TUNING VARACTOR

DESCRIPTION:

The **ASI KV2801** is a Silicon Hyperabrupt Tuning Varactor Diode Designed for UHF Applications up to 800 MHz.The Cathode is Indicated by a Color Band.

PACKAGE STYLE DO-7



MAXIMUM RATINGS

I_F	40 mA
V_R	22 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		22			V
I_R	V_R = 20 V				100	µA
C_{T3}	V_R = 3.0 V	f = 1.0 MHz	25	28	31	pF
C_{T8}	V_R = 8.0 V	f = 1.0 MHz	10	12	13.5	pF
C_{T20}	V_R = 20 V	f = 1.0 MHz	4.5	4.8	5.1	pF
ΔC_T	V_R = 3 to 20 V	f = 1.0 MHz	5.2	5.7	6.1	RATIO
Q	V_R = 3.0V	f = 50 MHz	200	250		

Specifications are subject to change without notice.