

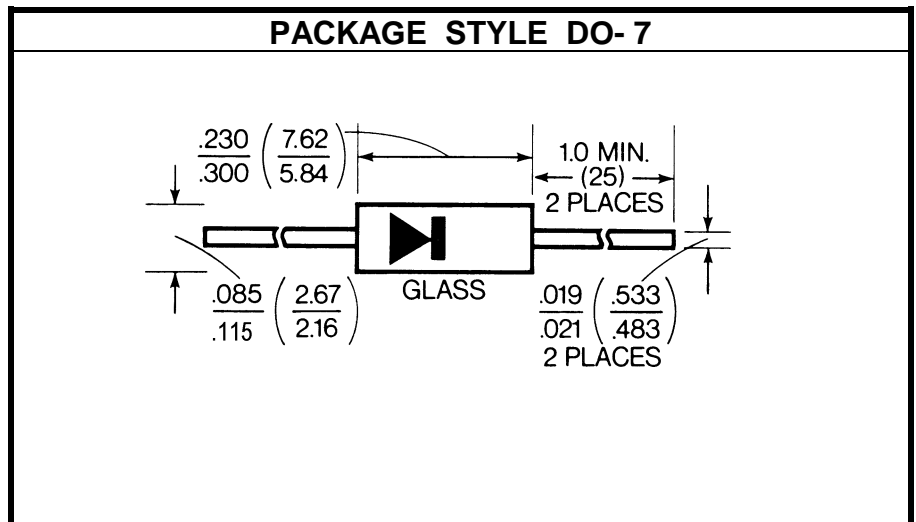
SILICON HYPERABRUPT TUNING DIODE

DESCRIPTION:

The **ASI KV3901** Varactor Diode is Designed for General Purpose Tuning Applications. The Cathode is Indicated by a Band.

MAXIMUM RATINGS

I_F	200 mA
V_R	30 V
P_{DISS}	400 mW @ T _A = 25 °C
T_J	-65 °C to +125 °C
T_{STG}	-65 °C to +150 °C


CHARACTERISTICS T_A = 25 °C

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
V_R	I _R = 10 μA		30			V
I_R	V _R = 28 V				50	μA
C_{T-3}	V _R = -3.0 V	f = 1.0 MHz	26	29	32	pF
C_{T-25}	V _R = -25 V	f = 1.0 MHz	4.5	5.1	6.0	pF
ΔC_T	V _R = -3 to -25V	f = 1.0 MHz	5.0	5.7	6.5	---
Q	V _R = -3.0 V	f = 50 MHz	200	280		