

SILICON ABRUPT TUNING VARACTOR DIODE

DESCRIPTION:

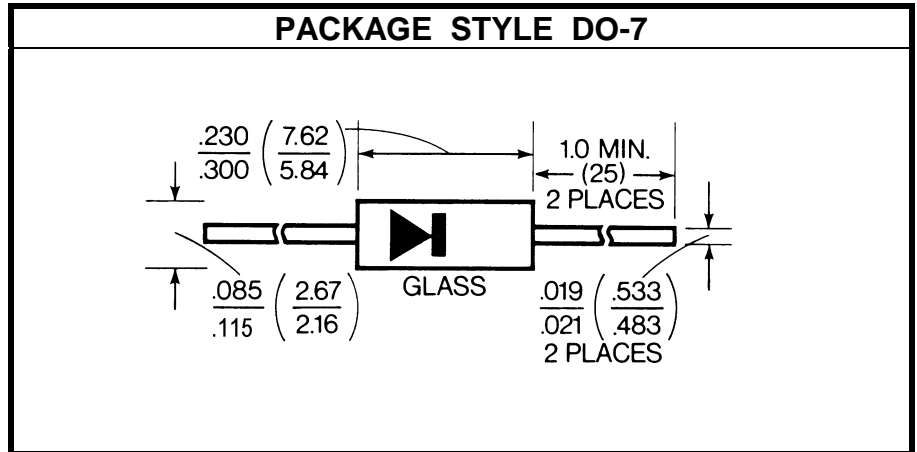
The **ASI MA45334** is a Silicon Abrupt Tuning Varactor, designed for applications through S-band.

FEARTURES:

- High Q
- Low Leakage
- Low Post Tuning Drift

MAXIMUM RATINGS

V	30 V
P_{DISS}	200 mW @ T _C = 25 °C
T_J	-65 °C to +150 °C
T_{STG}	-65 °C to +150 °C


CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
V_B	I _R = 10 μA		30			V
C_{T-4}	V _R = 4.0 V	f = 1.0 MHz	9.0	10	11	pF
ΔC_T	C _{T0} /C _{T30}	f = 1.0 MHz	4.6			
Q	V _R = 4.0 V	f = 50 MHz		1300		
T_{CC}	V _R = 4.0 V	f = 1.0 MHz		300		PPM/°C