SILICON ABRUPT TUNING VARACTOR DIODE

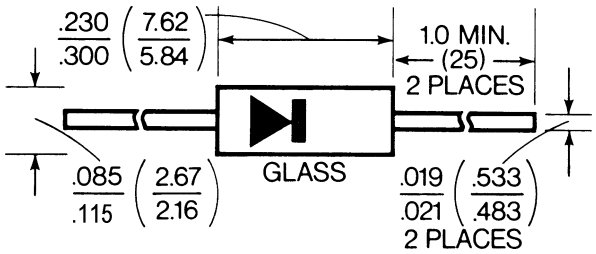
DESCRIPTION:

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

FEARTURES:

- High Q
- Low Leakage
- Low Post Tuning Drift

PACKAGE STYLE DO-7



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**

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Specifications are subject to change without notice.