

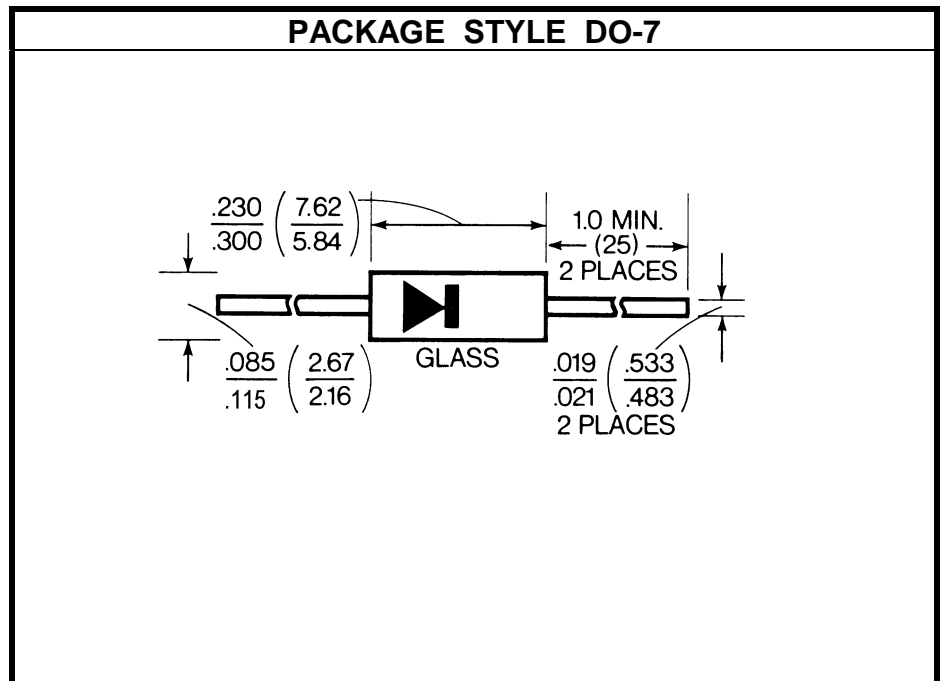
SILICON ABRUPT TUNING VARACTOR

DESCRIPTION:

The **ASI PC115A** is a Silicon Abrupt Tuning Varactor Diode Designed for electronic tuning and harmonic generator applications.

MAXIMUM RATINGS

I_F	40 mA
V_F	1.0 V
V_R	100 V
C_T	$\pm 10\%$
P_{DISS}	400 mW @ $T_A = 25\text{ }^\circ\text{C}$
T_J	$-65\text{ }^\circ\text{C}$ to $+150\text{ }^\circ\text{C}$
T_{STG}	$-65\text{ }^\circ\text{C}$ to $+150\text{ }^\circ\text{C}$



CHARACTERISTICS $T_A = 25\text{ }^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
I_R	$V_R = 100\text{ V}$			5.0	μA
C_{T4}	$V_R = 4.0\text{ V}$				pF
ΔC_T	$V_R = 0.5\text{ V} / V_R = 100\text{ V}$				pF
Q	$V_R = 4.0\text{ V}$				