

SILICON HYPERABRUPT VARACTOR DIODE

DESCRIPTION:

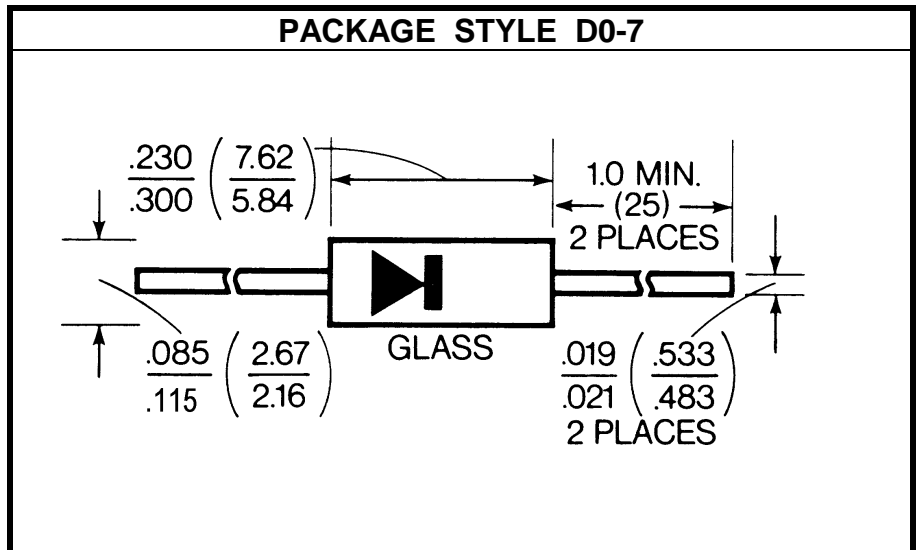
The **ASI MV1401** is a Silicon Hyper-Abrupt Tuning Varactor Diode.

FEATURES INCLUDE:

- **14:1** Minimum Tuning Range
- High **Q** - **400** Typical
- Economical **DO-7** Package

MAXIMUM RATINGS

I_F	250 mA
V_R	12 V
P_{DISS}	400 mW @ $T_C = 25^\circ\text{C}$
T_J	-65°C to $+200^\circ\text{C}$
T_{STG}	-65°C to $+200^\circ\text{C}$


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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10 \mu\text{A}$	12			V
I_R	$V_R = 10 \text{ V}$			0.10	μA
C_t	$V_R = 1.0 \text{ V}$		$f = 1.0 \text{ MHz}$	633	pF
C_{T1}/C_{T10}			$f = 1.0 \text{ MHz}$	14	---
Q	$V_R = 2.0 \text{ V}$		$f = 1.0 \text{ MHz}$	200	---