

SILICON VARACTOR DIODE

DESCRIPTION:

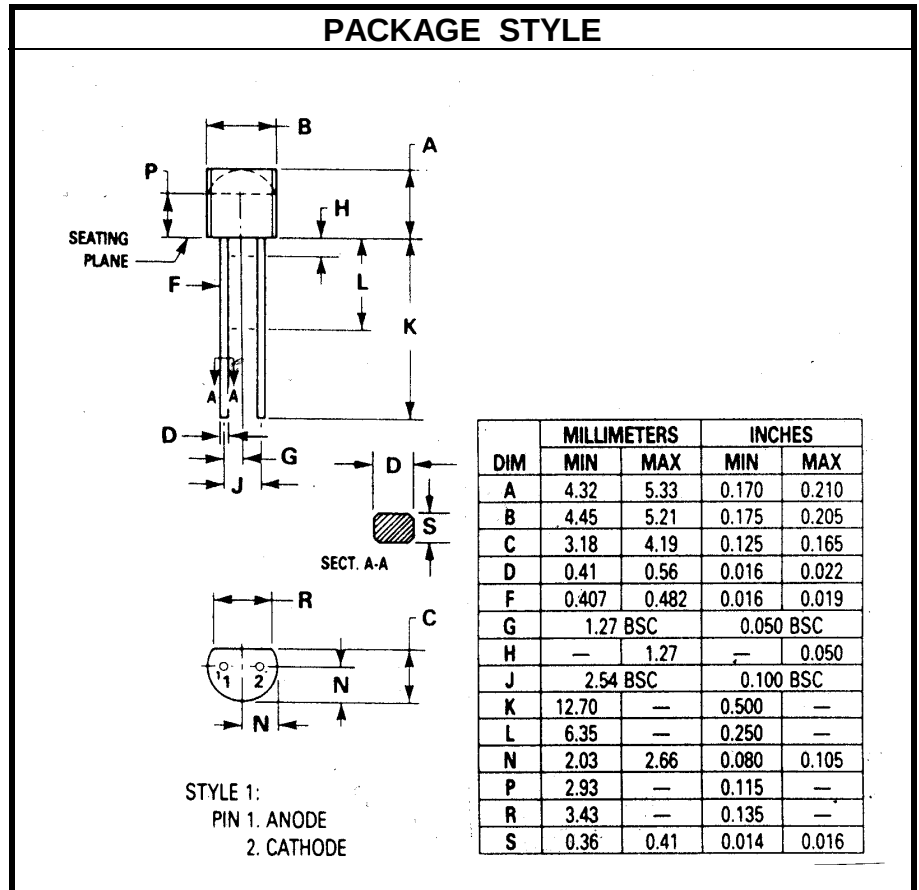
The **ASI MVAM108** is a Silicon Tuning Varactor Diode.

FEATURES INCLUDE:

- **15:1** Minimum Tuning Range
- **Q - 150** Minimum

MAXIMUM RATINGS

I_F	50 mA
V_R	12 V
P_{DISS}	280 mW @ $T_C = 25^\circ\text{C}$
T_J	-55°C to $+125^\circ\text{C}$
T_{STG}	-55°C to $+125^\circ\text{C}$



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	$V_R = 8.0 \text{ V}$			0.10	μA
C_t	$V_R = 1.0 \text{ V}$ $f = 1.0 \text{ MHz}$	440		560	pF
C_{T1}/C_{T8}	$f = 1.0 \text{ MHz}$	15			---
Q	$V_R = 1.0 \text{ V}$ $f = 1.0 \text{ MHz}$	150			---