

# SILICON VARACTOR DIODE

**DESCRIPTION:**

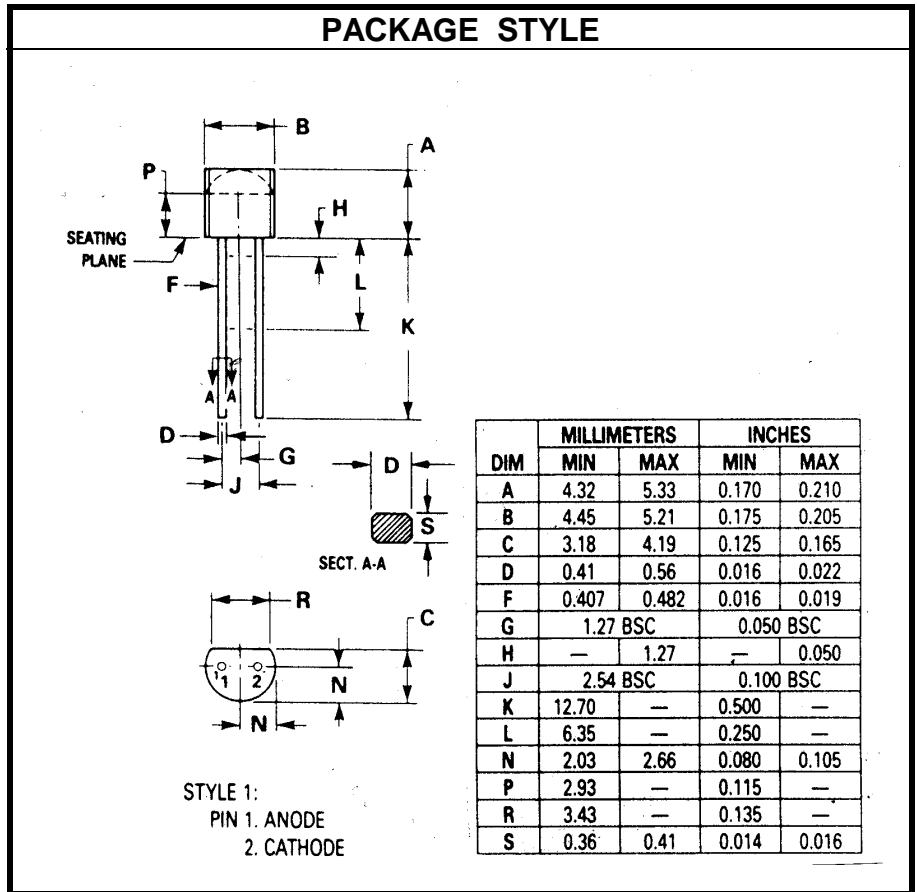
The **ASI MVAM115** is a Silicon Tuning Varactor Diode.

**FEATURES INCLUDE:**

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

**MAXIMUM RATINGS**

$I_F$	50 mA
$V_R$	18 V
$P_{DISS}$	280 mW @ $T_C = 25^\circ C$
$T_J$	$-55^\circ C$ to $+125^\circ C$
$T_{STG}$	$-55^\circ C$ to $+125^\circ C$


**CHARACTERISTICS**  $T_A = 25^\circ C$ 

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$V_{BR}$	$I_R = 10 \mu A$	18			V
$I_R$	$V_R = 15 V$			0.10	$\mu A$
$C_t$	$V_R = 1.0 V$ $f = 1.0 MHz$	440		560	pF
$C_{T1}/C_{T10}$	$f = 1.0 MHz$	15			---
Q	$V_R = 1.0 V$ $f = 1.0 MHz$	150			---