

SILICON VARACTOR DIODE

DESCRIPTION:

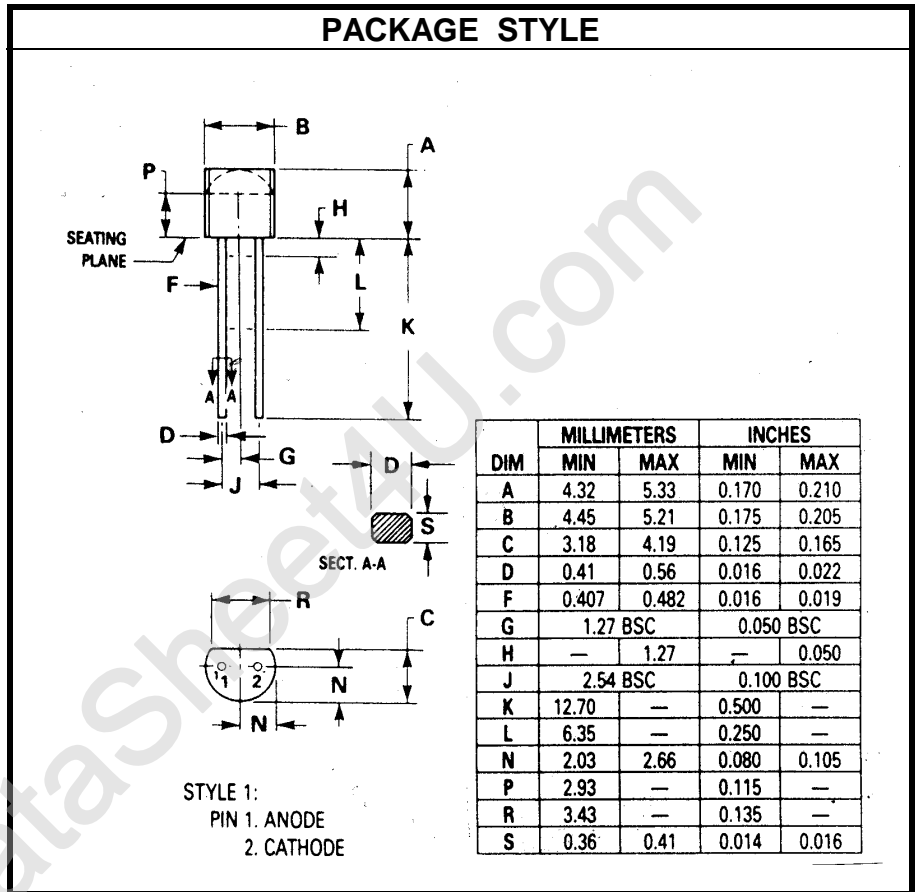
The **ASI MVAM115** is a Silicon Tuning Varactor Diode.

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 | μA |
| C_t | $V_R = 1.0 V$ | | $f = 1.0 MHz$ | 560 | pF |
| C_{T1}/C_{T10} | | | $f = 1.0 MHz$ | 15 | --- |
| Q | $V_R = 1.0 V$ | | $f = 1.0 MHz$ | 150 | --- |