

SILICON PIN SWITCHING DIODE

DESCRIPTION:

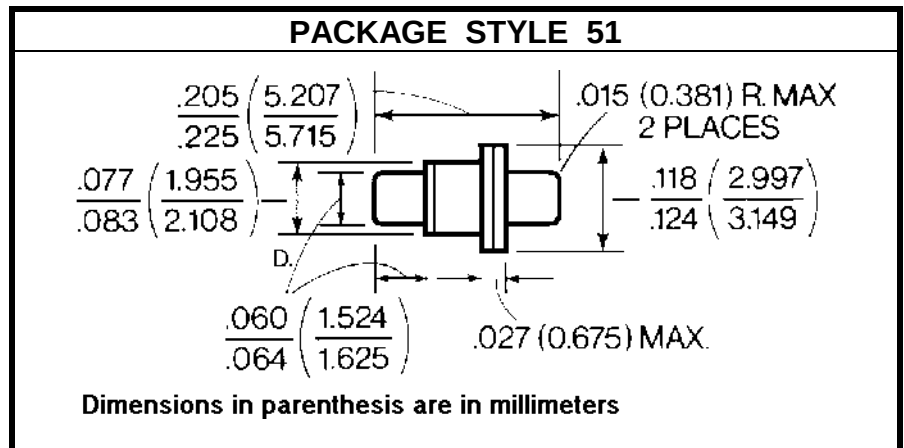
The **ASI MA47080-30** is a Passivated Silicon PIN Switching Diode. Designed for control applications such as RF Switching, Limiting, Duplexing, Phase Shifting Variable Attenuation, Modulation, and Pulse forming.

FEATURES:

- Hermetically Sealed Package
- Glass Passivation

MAXIMUM RATINGS

I	100 mA
V	500 V
P_{DISS}	10 W @ T _C = 25 °C
T_J	-65 °C to +175 °C
T_{STG}	-65 °C to +200 °C



CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_B	I _R = 10 μA	500			V
C_T	V _R = 150 V f = 1.0 MHz	0.40		0.70	pF
R_S	I _F = 100 mA f = 500 MHz			0.45	Ohms
θ_T				15	°C/W
T_L	I _R = 6.0 mA I _F = 10 mA		1.5		μS