

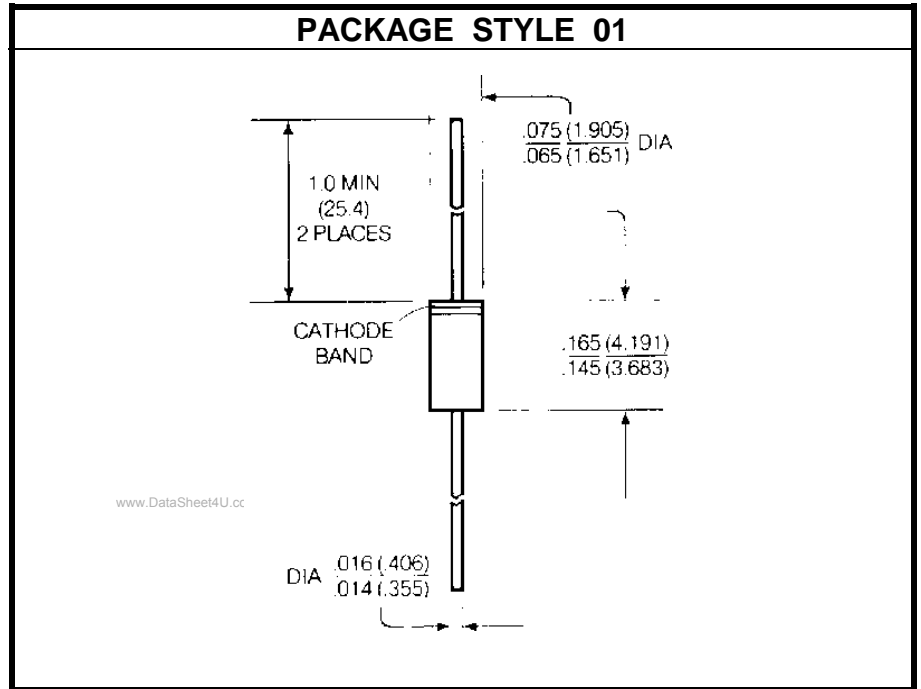
SILICON PIN DIODE CHIP

DESCRIPTION:

The **AP300A-00** is a Passivated Epitaxial Silicon PIN Diode Housed in a Hermetically Sealed Glass Package. This Device is Designed to Cover a Wide Range of Control Applications Such as RF Switching, Phase Shifting, Modulation, Duplexing Limiting and Pulse Forming.

MAXIMUM RATINGS

I_F	100 mA
V_R	300 V
P_{DISS}	250 mW @ $T_A = 25^\circ C$



CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10 \mu A$	300			V
C_J	$V_R = 50 V$ $V_R = 40 V$			0.2	pF
R_S	$I_F = 50 mA$			0.6	Ohms
T_L	$I_F = 10 mA$ $I_R = 6.0 mA$		1000		nS
T_{tr}	$I_F = 20 mA$ $I_R = 100 mA$		100		nS
O_R	THERMAL RESISTANCE			20	$^\circ C/W$