

ZERO BIAS SCHOTTKY DIODE

DESCRIPTION:

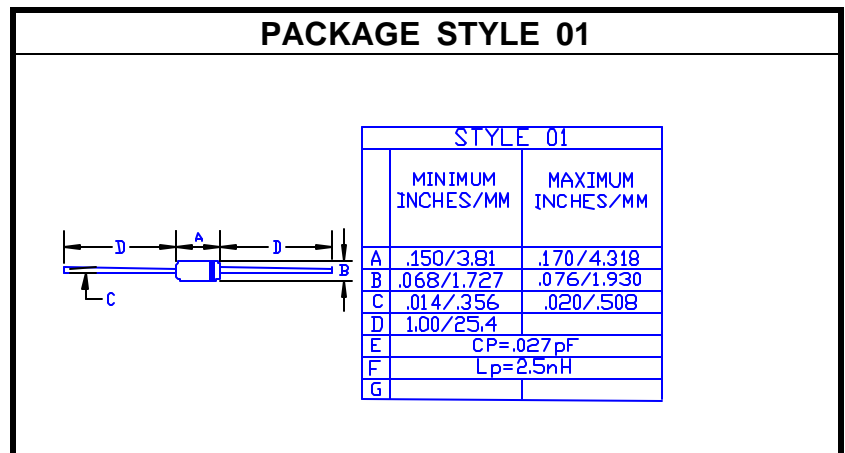
The **HSCH-3486** is a Silicon Zero Bias Schottky Barrier Diode Designed for High Sensitivity Detector and Low Starved Mixer Applications up to 10 GHz.

FEATURES INCXLUDE:

- Replacement for **HSCH3486** and **MA4E928B-54**
- True Zero Bias Operation
- Hermetic Glass Package

MAXIMUM RATINGS

I_F	10 mA
V_R	2.0 V
P_{DISS}	300 mW @ T _C = 25 °C
T_J	-65 °C to +150 °C
T_{STG}	-65 °C to +150 °C
T_{SOLD}	+230 °C for 5 seconds


CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_F	I _F = 1.0 mA			225	mV
C_T	V _R = 0 V f = 1.0 MHz			0.5	pF
T_{SS}	B _W = 2.0 MHz f = 10 GHz			-54	dBm
g	P _{IN} = -40 dBm f = 10 GHz	7.5			mV/mW
R_V	P _{IN} = -40 dBm f = 10 GHz	2		8	K ohms