ZERO BIAS SCHOTTKY DIODE

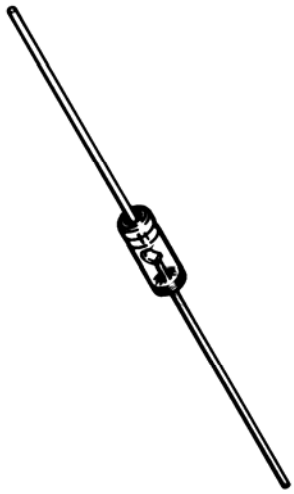
DESCRIPTION:

The **ASI 3486** is a Silicon Schottky Barrier Diode Designed for High Sensitivity Zero Bias Detector Applications up to 10 GHz.

FEATURES INCLUDE:

- Replacement for **HSCH3486** and **MA4E928** series
- -56 dBm T_{SS} Typical @ 10 GHz
- Hermetic Glass Package

PACKAGE STYLE 01



ASI ORDER CODE: ASI30203

MAXIMUM RATINGS

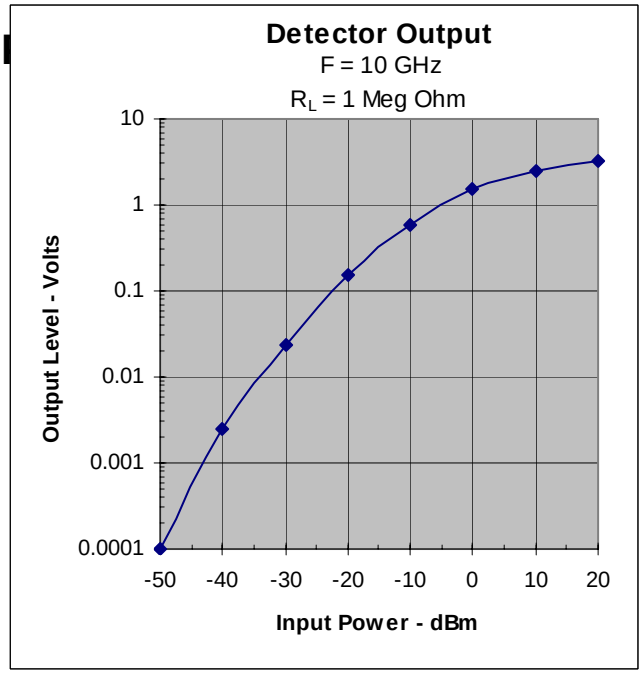
I_F	10 mA
V_R	2.0 V
P_{DISS}	300 mW @ T_C = 25 ^{O}C
T_J	-65 ^{O}C to +150 ^{O}C
T_{STG}	-65 ^{O}C to +150 ^{O}C
$T_{soldering}$	+230 ^{O}C for 5 Seconds

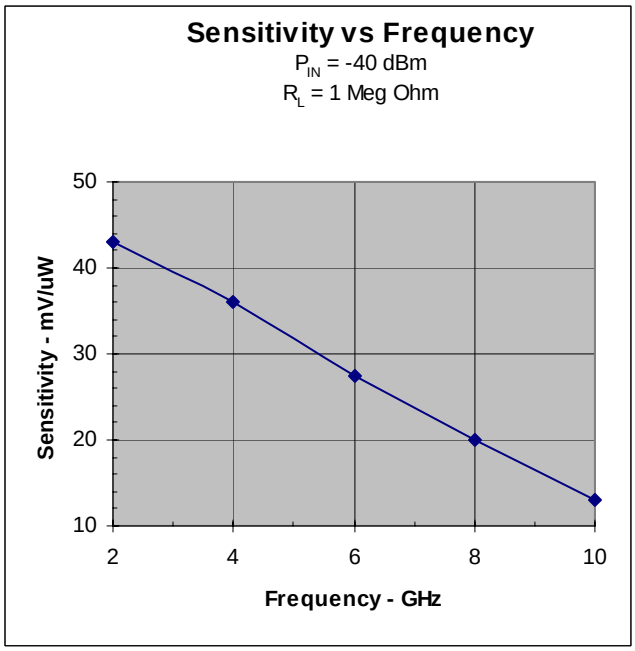
CHARACTERISTICS T_C = 25 ^{O}C

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
V_F	I_F = 1.0 mA			185	225	**mV**
V_{BR}	I_R = 200 μA		0.8			**V**
C_{T0}	V_R = 0 V	f = 1.0 MHz		0.4		**pF**
T_{SS}	B_W = 2.0 MHz	f = 10 GHz	-54			**dBm**
γ	P_{IN} = -40 dBm	f = 10 GHz	7.5			**mV/μW**
R_V	P_{IN} = -40 dBm	f = 10 GHz	2.0		8.0	**K Ohms**

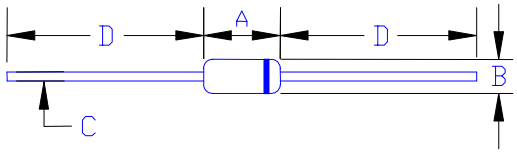
Specifications are subject to change without notice.

DYNAMIC CHARACTERISTICS





PACKAGE OUTLINE



Body Color: Blue

STYLE 01		
	MINIMUM INCHES/MM	MAXIMUM INCHES/MM
A	.150/3.81	.170/4.318
B	.068/1.727	.076/1.930
C	.014/.356	.020/.508
D	1.00/25.4	
E	CP=.027pF	
F	Lp=2.5nH	
G		

Specifications are subject to change without notice.