

BEAM LEAD SCHOTTKY DIODE BATCH MATCHED

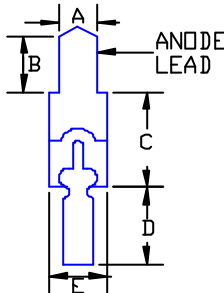
DESCRIPTION:

The **HSC5315** is a Medium Barrier Beam Lead Schottky Diode Designed for X-Band Mixer Applications that is Batch Matched for NF and ZIF.

MAXIMUM RATINGS

I_F	25 mA
V_R	4.0 V
P_{DISS}	300 mW @ T _A = 25 °C
T_J	-65 °C to +175 °C
T_{STG}	-65 °C to +200 °C

PACKAGE STYLE BL1



	MINIMUM INCHES/MM	MAXIMUM INCHES/MM
A	.006/0.152	.010/0.254
B	.010/0.254	.013/0.330
C	.0090/0.2286	.0120/0.3048
D	.010/0.254	.013/0.330
E	.0090/0.2286	.0120/0.3048
F	C _p =.03pF	L _p =.1nH

ORDER CODE: ASI30264

CHARACTERISTICS T_c = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	I _R = 10 μA	4.0			V
V_F	I _F = 1.0 mA			500	mV
R_D	I _F = 5.0 mA			18	W
C_T	V _R = 0 V f = 1.0 MHz			0.15	pF
NF	I _F = 30 MHz f = 9.375 GHz			7.2	dB
DNF	P _{LO} = 0 dBm			±0.3	dB
Z_{IF}	N _{IF} = 1.5 dB DC Load = 0 Ω	200		400	W
DZ_{IF}				25	W