

SILICON ABRUPT VARACTOR DIODE

DESCRIPTION:

The **ASI S3028** is a Designed for use in general purpose filter and oscillator applications.

FEATURES:

- Blue Cathode dot
- Hermetic sealed Package

MAXIMUM RATINGS

I_F	10 mA
V_R	50 V
P_{DISS}	1.5 W @ T _C = 25 °C
T_J	-65 °C to +150 °C
T_{STG}	-65 °C to +150 °C
T_{soldering}	+230 °C for 30 Seconds

PACKAGE STYLE 51

	MINIMUM INCHES/MM	MAXIMUM INCHES/MM
A	.118/2.997	.124/3.150
B	.205/5.207	.225/5.715
C	.060/1.524	.064/1.626
D	.077/1.956	.083/2.108
E	.060/1.524	.064/1.626
F		.027/0.686
G	.060/1.524	.064/1.626

C_p=.18pF
L_p=1.0nH

CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_F	I _F = 100 mA			1.0	V
V_{BR}	I _R = 10 μA	50			V
C_{J6}	V _R = 6.0 V	1.7		2.2	pF
C_{J45}	V _R = 45 V			1.0	pF
Δ	V _R = 6.0 V & V _R = 45 V	2.25			---
F_C	V _R = 6.0 V	45			GHz