

# SILICON ABRUPT VARACTOR DIODE

## DESCRIPTION:

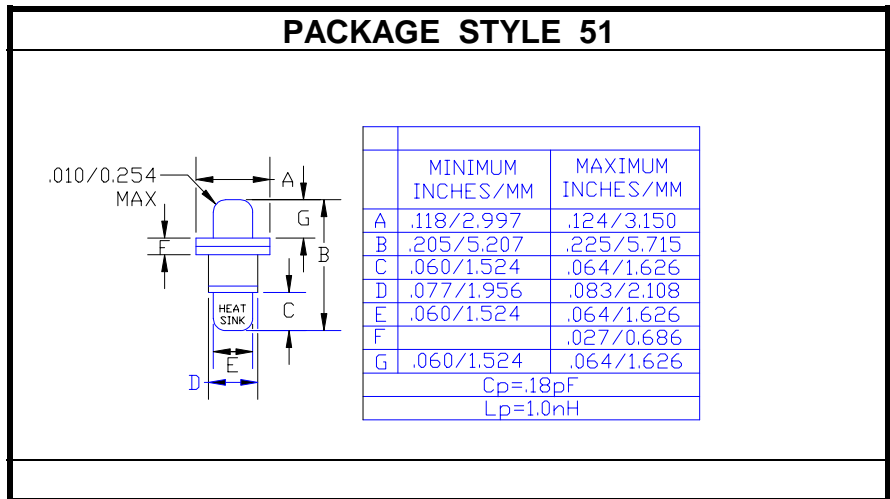
The **ASI S3028** is a Designed for use in general purpose filter and oscillator applications.

## FEATURES:

- Blue Cathode dot
- Hermetic sealed Package

## MAXIMUM RATINGS

<b>I<sub>F</sub></b>	10 mA
<b>V<sub>R</sub></b>	50 V
<b>P<sub>DISS</sub></b>	1.5 W @ T <sub>C</sub> = 25 °C
<b>T<sub>J</sub></b>	-65 °C to +150 °C
<b>T<sub>STG</sub></b>	-65 °C to +150 °C
<b>T<sub>soldering</sub></b>	+230 °C for 30 Seconds



## CHARACTERISTICS T<sub>C</sub> = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
<b>V<sub>F</sub></b>	I <sub>F</sub> = 100 mA			1.0	V
<b>V<sub>BR</sub></b>	I <sub>R</sub> = 10 μA	50			V
<b>C<sub>J6</sub></b>	V <sub>R</sub> = 6.0 V f = 1.0 MHz	1.7		2.2	pF
<b>C<sub>J45</sub></b>	V <sub>R</sub> = 45 V f = 1.0 MHz			1.0	pF
<b>Δ</b>	V <sub>R</sub> = 6.0 V & V <sub>R</sub> = 45 V	2.25			---
<b>F<sub>C</sub></b>	V <sub>R</sub> = 6.0 V	45			GHz