

TECHNICAL DATA  
PART NUMBER: SCP-5760, Rev-

## GaAs CONSTANT GAMMA HYPERABRUPT VARACTOR DIODE

DESCRIPTION: A 22-VOLT GaAs CONSTANT GAMMA HYPERABRUPT VARACTOR DIODE IN A 2 LEAD CERAMIC J PACKAGE \*

For space level screening per MIL-STD-883, please add the letter "SS" to the end of the part number

### DIODES RATING AND CHARACTERISTICS

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT
Breakdown Voltage @ 10 Microamps	VB	22	-	-	Volts
<sup>1</sup> Reverse Voltage	VR	-	-	22.0	Volts
<sup>1</sup> Power Dissipation	PD	-	-	250	mW
<sup>3</sup> CT4	CT	4.7	-	-	pF
<sup>4</sup> CT2/CT20	TR	6.9 / 11.1			pF
Q (-4V) @ 50 MHz	-	1500	-	-	Q
Gamma – V <sub>R</sub> = 2-20 Volts	(γ)	1.13	-	1.38	-
<sup>1</sup> Maximum and Storage Junction Temperature	T <sub>jmax</sub>	-55	-	150	°C
Operating Temperature	TOP	-55	-	125	°C

<sup>1</sup> Absolute Maximum rating @ 25°C . VR measured at 10 microamps.

<sup>2</sup> Max. at 20 volts

<sup>3</sup> F=1 MHz – Vr = 4 volts (Total Capacitance)

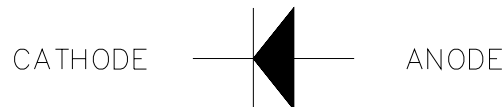
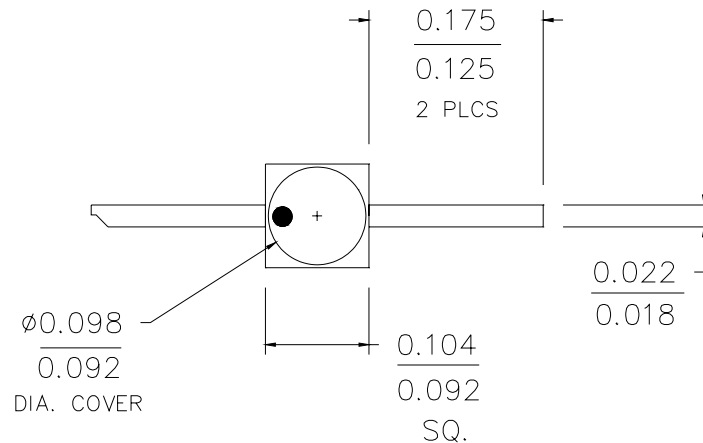
<sup>4</sup> F=1 MHz Capacitance Ratio

\*Capacitance curves similar to MA46481

## SENSITRON

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**Mechanical Dimensions: in inches**

## CASE OUTLINE AND PHYSICAL DIMENSIONS

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