

TECHNICAL DATA  
PART NUMBER: SCP-5758, Rev A

## HYPERABRUPT VARACTOR DIODE

DESCRIPTION: A 22-VOLT 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> Forward Current	IF	-	-	50	mA
<sup>2</sup> Reverse Current	Ir	-	-	100	nA
<sup>1</sup> Power Dissipation	PD	-	-	250	mW
<sup>3</sup> CT4	CT	19.63	-	24.05	pF
<sup>4</sup> CT2/CT20	TR	7.5	-	-	pF
Q (-4V) @ 50 MHz	-	-	100	175	Q
<sup>1</sup> Maximum and Storage Junction Temperature	T <sub>jmax</sub>	-55	-	150	°C
Operating Temperature	TOP	-55	-	125	°C

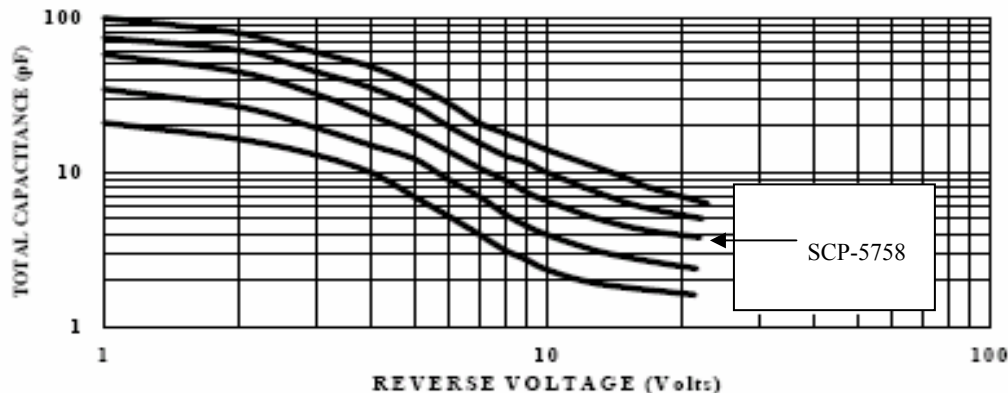
<sup>1</sup> Absolute Maximum rating @ 25°C

<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

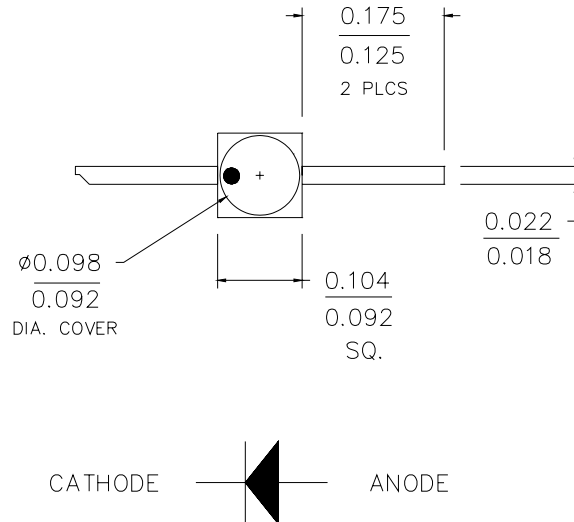
### TOTAL CAPACITANCE (pF) vs REVERSE VOLTAGE



SENSITRON

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**Mechanical Dimensions: in inches****CASE OUTLINE AND PHYSICAL DIMENSIONS****DISCLAIMER:**

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