

TECHNICAL DATA
PART NUMBER: SCP-5759, Rev-

**LOW CAPACITANCE
HYPERABRUPT
VARACTOR DIODE**

DESCRIPTION: A 22-VOLT LOW CAPACITANCE 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
¹ Reverse Voltage	VR	-	-	22.0	Volts
¹ Forward Current	IF	-	-	50	mA
² Reverse Current	Ir	-	-	100	nA
¹ Power Dissipation	PD	-	-	250	mW
³ CT4	CT	1.35	-	1.65	pF
⁴ CT20	CT	.43	-	.58	pF
Q (-4V) @ 50 MHz	-	-	600		Q
¹ Maximum and Storage Junction Temperature	T _{jmax}	-55	-	150	°C
Operating Temperature	TOP	-55	-	125	°C

¹ Absolute Maximum rating @ 25°C

² Max. at 20 volts

³ F=1 MHz – Vr = -4 volts (Total Capacitance)

⁴ F=1 MHz – Vr= -20 volts (Total Capacitance)

