

CSPV Series 1 GHz Splitter



Description:

This vertical SCTE compliant splitter is designed for superior performance in systems providing both digital and analog signals where the highest isolation and RF performance are required. They are ideal for mounting in a box for easy access of cable connection. The Hi-Q design features SMT technology combined with premium quality ferrites and blocking capacitors on all ports for long-term stability in performance. The CSPV series is available in 2, 3, 4, 6 and 8 way vertical configurations.

Features:

- Vertical F port splitter
- 5-1010 MHz bandwidth
- 6KVA rated capacitors on all F ports that comply to IEE spec (C62.41 Cat A3)
- 360° degree 24K gold plated contacts
- Sealed F-ports that comply to SCTE specifications
- Low inter-modulation >110dB
- -120 dB RFI shielding
- Corrosion resistant die cast plated zinc housing
- Convenient 3-way (Slot, Hex, Robertson) mounting screws included
- Excellent quality, 100% factory QC tested
- CE approved

Century Electronics Ltd.

Unit 4-11240 Bridgeport Road, Richmond, BC Canada V6X 1T2

Phone: 604-273-3419 | Fax: 604-273-5619 | Web: www.centuryelectronic.com



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Specifications:

PARAMETER	FREQUENCY (MHz)	CSPV-2		CSPV-3		CSPV-4		CSPV-6		CSPV-8	
		TYP.	QA.	TYP.	QA.	TYP.	QA.	TYP.	QA.	TYP.	QA.
Insertion Loss Input to Output Maximum (dB)	5-15	3.3	3.5	3.3/6.8	3.5/7.0	6.8	7.0	9.0	9.2	10.8	11.0
	15-50	3.3	3.5	3.4/6.8	3.5/7.0	6.8	7.2	9.0	9.2	10.8	11.0
	50-550	3.5	3.8	3.5/7.2	3.6/7.2	7.2	7.6	9.4	9.6	11.0	11.2
	550-750	3.6	3.8	3.6/7.4	3.8/7.6	7.5	7.6	9.6	9.8	11.4	11.6
	750-1010	3.8	4.0	3.8/7.6	4.0/7.8	7.6	7.8	9.8	10.0	11.6	11.8
Port/Port Isolation Output to Output Minimum(dB)	5-15	30	25	30	25	30	25	30	25	30	25
	15-50	35	33	35	30	35	30	35	30	35	30
	50-550	30	28	30	28	30	28	27	25	32	30
	550-750	28	26	28	26	27	25	26	24	28	26
	750-1010	27	25	27	25	26	25	26	24	28	26
Return Loss Input Minimum(dB)	5-15	23	22	23	22	23	22	23	22	23	22
	15-50	30	25	30	25	25	24	25	24	25	24
	50-550	25	23	25	23	25	23	25	23	25	23
	550-750	25	23	25	23	25	23	25	23	25	23
	750-1010	24	22	24	22	24	22	24	22	24	22
Return Loss Output Minimum(dB)	5-15	23	22	23	22	23	22	23	22	23	22
	15-50	30	25	30	25	25	24	25	24	25	24
	50-550	25	23	25	23	25	23	25	23	25	23
	550-750	25	23	25	23	25	23	25	23	25	23
	750-1010	24	22	24	22	24	22	24	22	24	22
RFI (dB)	5-1010	-130	-120	-130	-120	-130	-120	-130	-120	-130	-120
Impedance	5-1010	75 Ohm									
Spurious Signals Including 2 nd Harmonics	-45dBmV after 6KV ring wave surge Measuring with a 55dBmV return input carrier										
Surge Protection	6KV Ring Wave Surge, IEEE C62.41 Cat A3										
Waterproof Test(Min)	15 PSI										
Operating Temperature	-40 degrees C to +60 degrees C										
Corrosion Resistance	Meets SCTE/ANSI Specification										

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