

CSPD Series 1 GHz Splitter



Description:

These SCTE compliant horizontal splitters are designed for superior performance in systems providing both digital and analog signals where the highest isolation and RF performance are required. 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 CSPD series is available in 2, 3, 4 and 4T* way horizontal configurations.

*4T has a single input port on the top and four output ports on the bottom.

Features:

- Deluxe horizontal 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.

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Specifications:

PARAMETER	FREQUENCY (MHz)	CSPD-2		CSPD-3		CSPD-4		CSPD-4T	
		TYP.	QA.	TYP.	QA.	TYP.	QA.	TYP.	QA.
Insertion Loss Input to Output Maximum (dB)	5-15	3.2	3.5	3.2 / 6.4	3.3 / 6.5	6.4	6.5	6.4	6.5
	15-50	3.2	3.5	3.2 / 6.4	3.3 / 6.5	6.4	6.5	6.4	6.5
	50-550	3.4	3.6	3.4 / 6.8	3.5 / 7.1	6.6	7.1	6.6	7.1
	550-750	3.5	3.7	3.5 / 7.1	3.6 / 7.3	7.3	7.5	7.3	7.5
	750-1010	3.6	3.8	3.6 / 7.4	3.8 / 7.6	7.5	7.8	7.5	7.8
Port/Port Isolation Output to Output Minimum(dB)	5-15	30	26	35	30	30	25	30	25
	15-50	42	35	42	35	32	30	32	30
	50-550	38	32	40	35	30	28	30	28
	550-750	30	28	32	30	28	26	28	26
	750-1010	30	28	32	30	26	25	26	25
Return Loss Input Minimum(dB)	5-15	24	23	25	24	24	23	24	23
	15-50	27	25	28	25	24	23	24	23
	50-550	30	28	30	28	28	26	28	26
	550-750	30	28	28	26	25	24	25	24
	750-1010	25	24	24	23	24	22	24	22
Return Loss Output Minimum(dB)	5-15	25	23	28	26	25	23	25	23
	15-50	30	27	40	35	32	30	32	30
	50-550	35	30	32	28	30	28	30	28
	550-750	35	30	28	26	28	26	28	26
	750-1010	25	24	24	23	24	22	24	22
RFI (dB)	5-1010	-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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