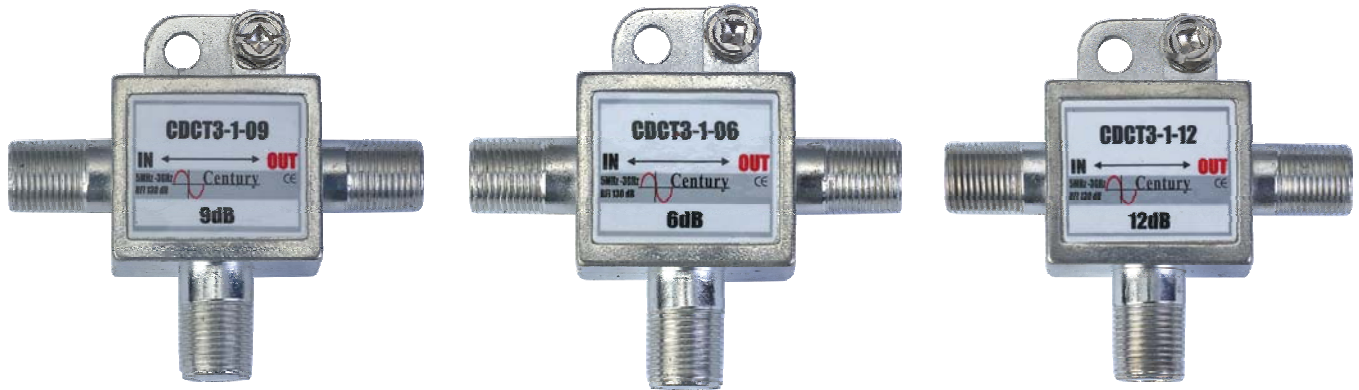


CDCT3-1 Series 3 GHz Directional Coupler



Description:

This 3GHz Hi-Q series directional coupler is a “T-Type” that can be used in many satellite subscriber applications where mounting is critical, and has many other applications in the CATV plant. This series is ideally suited for precision signal management in digital two-way plants. Designed for superior performance in systems transporting 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. It is available in tap values of 6, 9, & 12dB.

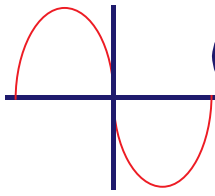
Features:

- T-type directional coupler
- Output tap values: 6, 9 & 12dB
- 10-3000 MHz bandwidth
- 360° degree 24K gold plated contacts
- Sealed F-ports that comply to SCTE specifications
- -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)	CDCT3-1-06		CDCT3-1-09		CDCT3-1-12	
		TYP.	QA.	TYP.	QA.	TYP.	QA.
Tap Loss Input to Tap Maximum (dB)	10-40	6.5	7.0	9.0	9.5	12.0	12.5
	40-900	7.0	7.5	9.5	10.0	12.5	13.0
	900-1750	7.5	8.0	10.0	10.5	13.0	13.5
	1750-2300	9.0	10.0	10.5	11.0	13.5	14.0
	2300-3000	10.0	11.0	12.0	13.0	14.0	15.0
Input to Output Maximum (dB)	10-40	2.0	2.3	2.0	2.3	1.8	2.0
	40-900	2.0	2.5	2.0	2.5	2.0	2.5
	900-1750	3.2	3.5	3.2	3.5	3.2	3.5
	1750-2300	3.5	4.0	3.5	4.0	3.8	4.0
	2300-3000	4.5	5.5	4.3	5.0	4.0	4.5
Port/Port Isolation Output to Tap Minimum(dB)	10-40	20	18	20	18	20	18
	40-900	22	20	22	20	22	20
	900-1750	22	20	22	20	22	20
	1750-2300	20	18	20	18	20	18
	2300-3000	20	18	20	18	20	18
Return Loss Input / Output Minimum(dB)	10-40	15	14	15	14	15	14
	40-900	18	16	18	16	18	16
	900-1750	18	16	18	16	18	16
	1750-2300	18	16	18	16	18	16
	2300-3000	18	16	18	16	18	16
Return Loss Tap Port Minimum(dB)	10-40	15	14	15	14	15	14
	40-900	18	16	18	16	18	16
	900-1750	18	16	18	16	18	16
	1750-2300	19	17	19	17	19	17
	2300-3000	15	14	15	14	15	14
RFI (dB)	10-3000	-130	-120	-130	-120	-130	-120
Impedance	10-3000	75 Ohm					
Power Passing	1000 mA	One Port Power Passing					
Waterproof Test (Min)		15 PSI					
Operating Temperature		-40 degrees C to +60 degrees C					
Corrosion Resistance		Meets SCTE/ANSI Specification					

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