



# CTGHS SERIES 1 GHz Digital Splitters

...competitive technologies with compelling value



The CTGHS Series of 1 GHz Splitters are a state-of-the-art, solder back, high isolation product line designed and tested using the most current procedures. New performance features such as maximum SRL have been incorporated to make the CTGHS Series compatible with the latest return path requirements.

- 5-1000 MHz Operation
- Digital/HDTV Compliant
- 6 kV Survivability  
Meets SCTE IPS-SP-206
- Indoor / Outdoor Design
- Medium Intermodulation Distortion
- 2 Way Compatible
- 130 dB RF Shielding
- 3-Way Ground Screw: Hex/Phillips/Slot
- Enhanced Performance at Sub Bands

Parameter	Frequency Range (MHz)	CTGHS-2		CTGHS-3		CTGHS-4		CTGHS-6		CTGHS-8	
		Typ.	Q.C.	Typ.	Q.C.	Typ.	Q.C.	Typ.	Q.C.	Typ.	Q.C.
Insertion Loss	5 - 15	3.3	3.4	3.3/6.7	3.4/6.9	6.7	7.0	9	9.5	10.2	10.6
	15 - 40	3.3	3.4	3.3/6.6	3.4/7.0	6.6	6.9	9	9.1	9.8	10.7
	40 - 550	3.4	3.7	3.4/6.9	3.7/7.4	6.8	7.4	9.5	9.7	10.4	11.1
	550 - 1000	3.9	4.1	3.7/7.7	4.1/8.0	7.6	8.1	10	10.4	11.9	12.4
Isolation	5 - 15	29	23	32	23	32	24	36	23	36	23
	15 - 40	34	30	32	28	37	28	36	30	37	30
	40 - 200	33	29	35	27	28	23	37	30	37	30
	200 - 550	28	25	32	25	27	22	35	25	35	25
	550 - 1000	28	23	25	22	24	20	27	22	27	22
Input Return Loss	5 - 15	24	22	22	20	22	18	24	21	24	21
	15 - 40	27	24	24	20	22	18	26	22	26	22
	40 - 200	28	25	26	22	24	21	25	21	25	21
	200 - 550	27	23	25	22	25	22	21	20	21	20
	550 - 1000	26	22	24	20	23	20	23	20	23	20
Output Return Loss	5 - 15	22	20	23	18	20	18	20	18	20	18
	15 - 40	29	25	27	20	27	18	28	25	28	25
	40 - 200	38	25	32	23	28	25	30	27	30	27
	200 - 550	34	25	25	23	25	22	27	24	27	24
	550 - 1000	28	22	22	18	23	20	20	18	20	18
RFI (dB)		130		130		130		130		130	

Electrical Tests Performed in compliance to SCTE TP-201, 202, 203, 215, 403, 406, 407, 409  
All product specifications are accurate at time of printing, but are subject to change.