

# GHS/GSV SERIES DIGITAL CATV SPLITTERS

MODELS GHS-2 : GHS-3 : GHS-4 : GHS-8 : GSV-2 : GSV-3 : GSV-4 : GSV-6 : GSV-8



MODEL GHS-2



MODEL GHS-3



MODEL GHS-4



MODEL GHS-8



MODEL GSV-2



MODEL GSV-3



MODEL GSV-4



MODEL GSV-6



MODEL GSV-8

## FEATURES

- **SCTE Compliant Flat-End F-Ports**
- **Enhanced Return Path Specifications**
- **Low Intermodulation Distortion**
- **Capacitor Decoupled**
- **130 dB RFI Shielding**
- **3-Way Ground Screw: Hex/Phillips/Slot**

### CATV DIGITAL SPLITTERS

The **GHS** and **GSV** Series 1 GHz Splitters were designed to meet the latest digital and return path requirements.

## BLACK LABEL GHS DIGITAL CATV SPLITTERS

MODELS GHS-2\* : GHS-3\* : GHS-4\*

- **Smaller Housings for Tight Installations**
- **SCTE-Compliant Flat-End F-Ports**
- **Nickel Plated**



\* POWER PASSING MODELS AVAILABLE - SEE PAGE 89

# GHS/GSV SERIES DIGITAL CATV SPLITTERS

## SPECIFICATIONS

PARAMETER	FREQUENCY RANGE (MHz)	GHS-2		GHS-3		GHS-3B		GHS-4		GHS-8	
		TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.
Insertion Loss (dB)(Max)	5 - 15	3.5	3.6	3.7 / 6.9	3.8 / 7.0	5.6	5.8	7.0	7.1	10.7	11.2
	16 - 40	3.6	3.7	3.7 / 6.9	3.8 / 7.0	5.6	5.8	6.8	6.9	10.5	11
	41 - 450	3.7	3.8	3.7 / 7.0	3.8 / 7.0	6.2	6.5	7.0	7.1	11	11.5
	451 - 750	3.8	3.9	3.9 / 7.5	4.0 / 7.6	6.3	6.5	7.5	7.6	12	12.5
	751 - 1000	3.9	4.0	4.0 / 8.0	4.2 / 8.2	6.9	7	8.1	8.2	12	12.5
Isolation (dB)	5 - 15	26	25	30	22	25	20	30	22	24	20
	16 - 40	45	40	38	35	38	35	40	32	28	25
	41 - 450	31	30	30	25	28	25	30	25	28	25
	451 - 750	31	30	28	25	25	23	28	25	23	20
	751 - 1000	30	25	25	23	22	20	25	23	22	20
Input Return Loss (dB)(Min)	5 - 15	25	24	25	20	22	20	25	20	24	20
	16 - 40	26	25	28	24	25	22	28	24	26	22
	41 - 450	26	25	28	23	25	22	28	23	24	20
	451 - 750	26	25	28	20	23	20	25	20	23	20
	751 - 1000	25	22	24	20	22	20	21	20	22	20
Output Return Loss (dB)(Min)	5 - 15	26	24	25	22	24	20	25	20	24	20
	16 - 40	35	30	35	30	32	28	30	28	27	24
	41 - 450	26	25	30	23	25	22	28	23	25	21
	451 - 750	26	25	25	20	22	20	25	20	24	20
	751 - 1000	25	22	24	20	22	20	21	20	23	20

PARAMETER	FREQUENCY RANGE (MHz)	GSV-2		GSV-3		GSV-4		GSV-6		GSV-8	
		TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.
Insertion Loss (dB)(Max)	5 - 15	3.3	3.5	3.5 / 6.8	3.6 / 6.9	6.8	6.9	9.1	9.2	10	10.5
	16 - 40	3.3	3.5	3.5 / 6.9	3.6 / 7.0	6.9	7.0	9.1	9.2	10.3	10.8
	41 - 450	3.6	3.8	3.8 / 7.4	3.9 / 7.5	7.4	7.5	9.9	10	11	11.5
	451 - 750	3.9	4.2	4.0 / 8.0	4.1 / 8.1	8	8	10.5	11	11.7	12.2
	751 - 1000	4	4.4	4.0 / 8.0	4.2 / 8.2	8.1	8.2	11.3	11.5	12.2	12.5
Isolation (dB)	5 - 15	26	20	35	23	29	24	24	23	30	25
	16 - 40	33	25	38	25	29	25	25	24	30	24
	41 - 450	35	22	36	22	30	25	23	22	25	22
	451 - 750	32	20	30	22	28	24	22	20	23	21
	751 - 1000	28	20	25	20	27	24	21	20	22	20
Input Return Loss (dB)(Min)	5 - 15	24	20	21	19	22	18	19	18	22	18
	16 - 40	27	22	23	21	24	20	21	20	25	22
	41 - 450	23	20	23	20	25	21	21	20	24	20
	451 - 750	24	18	22	20	22	18	20	18	23	19
	751 - 1000	24	18	21	18	21	18	19	18	22	18
Output Return Loss (dB)(Min)	5 - 15	22	20	20	18	21	18	17	16	22	18
	16 - 40	28	22	32	20	25	22	21	20	28	22
	41 - 450	31	20	26	20	28	25	21	20	24	20
	451 - 750	30	20	22	18	23	18	20	18	23	19
	751 - 1000	25	20	20	18	21	18	19	18	22	18

NOTE: All specifications typical unless otherwise noted