

## GHS-FRC Series: Digital CATV Splitters (Premium Grade)



**GHS-2FRC**

- ▶ **Lowest Intermodulation Distortion**  
-105 dB with a +55 dBmV input
- ▶ **Enhanced Return Loss and Isolation (reverse band)**  
15-40 MHz has over 35 dB output RL and Isolation
- ▶ **Flat-end, Small Aperture Ports**  
Meets SCTE IPS-SP-406
- ▶ **Double Thick Plating With Clear Lacquer Over-Coating**
- ▶ **Port Protection Caps**



**GHS-3FRC**



**GHS-4FRC**

- ▶ **Non-Magnetizing (Patent Pending)**  
Will not increase intermod distortion with input power spikes
- ▶ **Capacitor Decoupling On All Ports**  
Reduces hum modulation, AC surges
- ▶ **6 kV Survivability**  
Using SCTE IPS-SP-206
- ▶ **360 Degree Conical Seizing Pin (Patented)**  
Greater holding, Lower contact resistance
- ▶ **Pressure-Sealed F Ports**  
30 psi

Parameter	Frequency Range(MHz.)	GHS-2FRC		GHS-3FRC (unbalanced)		GHS-3FRCB(balanced)		GHS-4FRC		GHS-8FRC	
		Typ.	Q.C.	Typ.	Q.C.	Typ.	Q.C.	Typ.	Q.C.	Typ.	Q.C.
Insertion Loss	5 - 15	3.2	3.5	3.3/6.5	3.6/7.0	6.5	6.7	6.5	6.8	10.0	10.4
	15 - 40	3.2	3.5	3.4/6.5	3.6/7.0	6.5	6.7	6.5	6.8	10.0	10.5
	40 - 550	3.4	3.7	3.5/6.9	3.7/7.5	6.5	6.7	6.9	7.3	10.6	11.2
	550 - 1000	3.9	4.0	3.9/7.9	4.2/8.3	6.9	7.1	7.8	8.0	11.8	12.2
Isolation	5 - 15	24	22	25	22	30	25	24	22	24	22
	15 - 40	40	35	40	35	37	33	40	35	40	35
	40 - 200	38	32	38	32	30	25	38	35	38	35
	200 - 550	30	25	30	25	25	22	30	25	30	25
	550 -1000	25	22	25	22	22	20	25	22	25	22
Input Return Loss	5 - 15	23	21	24	20	25	22	25	22	25	22
	15 - 40	30	25	28	24	30	24	25	22	25	22
	40 - 200	28	25	28	22	25	22	23	20	25	21
	200 - 550	25	22	25	22	22	20	24	22	24	22
	550 -1000	25	22	25	22	22	20	24	22	24	22
Output Return Loss	5 - 15	24	21	22	18	20	18	22	20	24	20
	15 - 40	40	35	40	35	39	33	39	35	40	35
	40 - 200	33	29	33	27	25	22	25	22	27	24
	200 - 550	30	28	28	24	25	22	25	22	26	22
	550 -1000	23	20	25	21	25	22	25	22	25	22
RFI (dB)		130		130		130		130		130	

Intermodulation distortion: -105 dBc @ a carrier input level of +55 dBmV after magnetization from spiking (Second Harmonic)

- Optional Model: **GHS-2, 3, 4 FC LI**
1. With Flat Seizing Pins
  2. With Zinc Rear Cover