

GHS-*FC LI SERIES DIGITAL CATV SPLITTERS

MODELS GHS-2FC LI : GHS-3FC LI : GHS-4FC LI : GHS-8FC LI



MODEL GHS-2FC LI



MODEL GHS-3FC LI



MODEL GHS-4FC LI

FEATURES

- **Patented Design**
- **Low Intermodulation Distortion**
- **Non-Magnetizing Ferrite Design**
- **Pressure-Sealed F-Ports to 30 PSI**
- **Flat-End, Small Aperture F-Ports with 1" Spacing**
- **UL-Listed: Ground Block**
(Optional Model)
- **Capacitor Decoupling on All Ports**
- **6kV Survivability**
- **Enhanced Return Loss & Isolation**
- **Heavy-Duty Zinc Rear Cover**

PREMIUM DIGITAL CATV SPLITTERS

The **GHS-FC LI Series** splitters are premium digital splitters featuring low intermod distortion and non-magnetizing circuit design. The low intermod distortion feature allows high-level return path signals (cable modems, STBs, etc.) while maintaining product integrity and eliminating the possibility of harmonics due to magnetization. Also features sealed F-ports which protect splitter circuitry from varying environmental conditions. Zinc rear cover ensures maximum outdoor survivability.

Applicable Patents - reference: M - See page 111 for patent details

GHS-FC LI SERIES CATV SPLITTERS

SPECIFICATIONS

PARAMETER	FREQUENCY RANGE (MHz)	GHS-2FC LI		GHS-3FC LI		GHS-3BFC LI		GHS-4FC LI	
		TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.
Insertion Loss (dB)(Max)	5 - 15	3.3	3.4	3.4 / 7.0	3.5 / 7.1	5.6	6.0	7.4	7.7
	16 - 40	3.4	3.5	3.5 / 7.2	3.6 / 7.3	5.5	6.0	7.1	7.3
	41 - 450	3.8	3.9	3.6 / 7.4	3.8 / 7.5	5.7	6.5	7.2	7.3
	451 - 750	3.8	3.9	3.7 / 7.4	4.0 / 8.0	5.9	6.8	7.3	8.0
	751 - 1000	3.8	3.9	3.9 / 7.9	4.0 / 8.0	6.5	7.1	7.5	8.0
Isolation (dB)	5 - 15	23	22	23	22	28	22	30	22
	16 - 40	41	40	36	35	36	30	40	35
	41 - 450	35	30	36	30	30	25	30	25
	451 - 750	28	25	31	25	28	22	29	25
	751 - 1000	26	25	26	25	25	20	28	25
Input Return Loss (dB)(Min)	5 - 15	23	22	23	22	24	20	25	20
	16 - 40	26	25	25	24	28	24	28	24
	41 - 450	28	25	24	23	26	22	28	23
	451 - 750	25	22	23	22	25	22	27	20
	751 - 1000	23	22	23	22	23	20	25	20
Output Return Loss (dB)(Min)	5 - 15	23	22	23	22	24	22	25	20
	16 - 40	31	30	31	30	32	28	35	30
	41 - 450	28	25	29	23	28	23	28	23
	451 - 750	25	22	24	22	25	22	26	22
	751 - 1000	23	22	23	22	24	20	22	20

GENERAL

Temperature Range	-40° to 60° C	-40° to 60° C	-40° to 60° C	-40° to 60° C	-40° to 60° C
Port Spacing	1"	1"	1"	1"	1"
RFI	>130 dB	>130 dB	>130 dB	>130 dB	>130 dB
Impedance (ohms)	75	75	75	75	75
Blocking Capacitors	Yes	Yes	Yes	Yes	Yes

NOTE: All specifications typical unless otherwise noted