LAST MILE & CONNECTED HOME

Indoor RF passives

Galvanic Isolators

GIS-204F

GIS isolators are used to galvanically isolate the coaxial access network from subscribers premises. They prevent problems caused by potential differences from occurring on sensitive devices like LCD and Plasma screens, VoIP and cable modems, when connected directly to system outlet. All the isolators withstand 2120VDC, 230VAC.

Features

- Frequency range up to 1000 MHz
- Outstanding RF performance
- 100% HI-POT test in production
- Press-in sealing technology with Aluminum lid for corrosion protection
- Blocking capacitors on all output ports for DC/HUM protection

One of Teleste's unique and award winning superior performance passives designed for easy installation and reliability.

TELESTE

INDOOR RF PASSIVES / GIS-204F

ELECTRICAL SPECIFICATIONS

INSERTION LOSS (dB, Max.) - IN to TV

Frequency (MHz)	QA/TYP
5 - 65	39.0/44.0
85 - 150	5.2/4.2
150 - 862	5.2/4.3
862 - 1000	5.5/4.8

INSERTION LOSS (dB, Max.) - IN to DATA

Frequency (MHz)	QA/TYP
5 - 65	2.8/1.0
85 - 150	5.2/3.9
150 - 550	5.1/4.2
550 - 1000	5.5/5.0

ISOLATION (dB, Min.) - TV to DATA

5 - 65	40.0/47.0
85 - 150	14.0/16.0
150 - 862	19.0/24.0
862 - 1000	17.0/18.0

RETURN LOSS (dB, Min.) - IN

5 - 65	18.0/25.0
85 - 150	18.0/24.0
150 - 650	17.0/23.0
650 - 1000	17.0/21.0

RETURN LOSS (dB, Min.) - DATA

5 - 65	15.0/24.0
85 - 150	15.0/20.0
150 - 650	15.0/22.0
650 - 1000	15.0/17.0

RETURN LOSS (dB, Min.) - TV

85 - 150	14.0/16.0
150 - 650	14.0/16.0
650 - 1000	14.0/19.0

GENERAL SPECIFICATIONS

Frequency range (MHz)	5 - 1000 MHz	**Nominal Impedance**	75 Ohm
Operating temperature	-20 º to +60 ºC	**Dimensions (L x W x D)**	70.8 x 59 x 20 mm

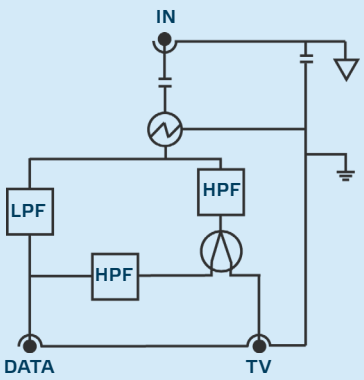
Safety Isolation	2120 VDC	Inner conductor Input to Inner conductor Output Leakage current ≤ 0.7 mA, ≥ 1 minute Outer conductor Input to Outer conduct Output Leakage current ≤ 0.7 mA, ≥ 1 minute
	230 VAC RMS, 50/60 Hz	Inner conductor Input to Inner conductor Output Leakage current ≤ 2.0 mA RMS Outer conductor Input to Outer conduct Output Leakage current ≤ 2.0 mA RMS

Electromagnetic Compatibility (1) (dB, Min.)	5 - 8 8 - 10 10 - 300 300 - 470 470 - 1000	100.0 80.0 85.0 80.0 75.0

NOTES

(1) EMC, exceeding Class A acc. to IEC 60728-2

BLOCK DIAGRAM



ORDERING INFORMATION

GIS-204F	2-way Galvanic isolator 4.3dB, DATA 5-65/85-1000MHz, TV 85-1000MHz

TELESTE CORPORATION
www.teleste.com

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