LAST MILE & CONNECTED HOME



Indoor RF passives

Galvanic Isolators **GIS-307C**

GIS isolators are used to galvanically isolate the coaxial access network from subscribers premises. They prevent problems caused by potential differences on sensitive devices like LCD from occurring and 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.



INDOOR RF PASSIVES / GIS-307C

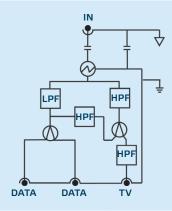
NSERTION LOSS (dB, Max.) - IN to TV		INSERTION LOSS (dB, Max.) - IN to DATA		
Frequency (MHz)	QA/TYP	Frequency (MHz)	QA/TYP	
5 - 65 87.5 - 150 150 - 862 862 - 1000	30.0/41.0 5.0/3.4 5.0/4.2 5.4/4.1	5 - 65 87.5 - 150 150 - 862 862 - 1000	5.5/3.6 9.2/6.9 9.2/6.9 9.5/7.8	
ETURN LOSS (dB, Min.) - ALL		ISOLATION (dB, Min.) - TV to	DATA	
5 - 65 87.5 - 150 150 - 650 650 - 1000	18.0/20.0 18.0/27.0 18.0/25.0 17.0/28.0	5 - 65 87.5 - 150 150 - 862 862 - 1000	30.0/45.0 20.0/31.0 20.0/30.0 20.0/28.0	

Frequency (MHz)	QA/TYP
5 - 65	30.0/45.0
87.5 - 150	20.0/31.0
150 - 862	20.0/30.0
862 - 1000	20.0/28.0

GENERAL SPECIFICATIONS						
Frequency range (MHz)	5 - 1000 MHz		Nominal Impedance	75 Ohm		
Operating temperature	-20 º to	+60 °C	Dimensions (L x W x D)	70.8 x 59 x 20 mm		
Safety Isolation 230 VAC RMS, Inner co	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				
		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				
			- 8	100.0		

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



ORDERING INFORMATION

GIS-307C 3-way Galvanic isolator, 2 x DATA 5-65/87.5-1000 MHz (7dB), TV 87.5-1000 MHz (4.2dB)



TELESTE CORPORATION www.teleste.com

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