



Indoor RF passives

Galvanic Isolators **GIS-204B**

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 1218 MHz, Docsis 3.1 compliant
- Outstanding RF performance
- 100% HI-POT test in production
- Press-in sealing technology with Aluminum lid for corrosion protection
- Pull force in use <50kgs, Twist torque in use <50kgf.cm (5.1Nm)

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

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INDOOR RF PASSIVES / GIS-204B

ELECTRICAL SPECIFICATIONS				
INSERTION LOSS (dB, Max.) - IN to OUT				
Frequency (MHz)	QA	TYP		
5 - 10	3.7	3.3		
10 - 470	3.9	3.3		
470 - 862	4.3	3.7		
862 - 1000	4.6	4.0		
1000 - 1218	4.9	4.3		
RETURN LOSS (dB, Min.) - All				
5 - 10	17.0	27.0		
10 - 470	17.0	30.0		
470 - 862	17.0	29.0		
862 - 1000	16.0	22.0		
1000 - 1218	14.0	22.0		
ISOLATION (dB, Min.) - OUT to OUT				
5 - 10	18.0	29.0		
10 - 470	18.0	44.0		
470 - 862	22.0	34.0		
862 - 1000	21.0	31.0		
1000 - 1218	21.0	24.0		
GENERAL SPECIFICATIONS				
Frequency range (MHz)	5 - 1218 MHz		Nominal Impedance	75 Ohm
Operating temperature	-20 ° to +60 °C		Dimensions (L x W x D)	60.3 x 60 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 - 10 10 - 300 300 - 470 470 - 950 950 - 1218	65.0 85.0 80.0 75.0 65.0	
NOTES				
(1) EMC, exceeding Class A acc. to IEC 60728-2				
ORDERING INFORMATION		BLOCK DIAGRAM		
GIS-204B 2-port Galvanic Isolator, 4 dB, 1218 MHz				

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