



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.

TELESTE

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 conductor 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 conductor Output Leakage current ≤ 2.0 mA RMS	
Electromagnetic Compatibility ⁽¹⁾ (dB, Min.)	5 - 10	65.0	
	10 - 300	85.0	
	300 - 470	80.0	
	470 - 950	75.0	
	950 - 1218	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		

TELESTE

TELESTE CORPORATION
www.teleste.com

Teleste_Datasheet_GIS-204B_20220131

Copyright © 2022 Teleste Corporation. All rights reserved. Teleste and the Teleste logo are registered trademarks of Teleste Corporation. Other product and service marks are property of their respective owners.

Teleste reserves the right to make changes to any features and specifications of the products without prior notice. Although the information in this document has been reproduced in good faith, the contents of this document are provided "as is". Teleste makes no warranties of any kind in relation to the accuracy, reliability or contents of this document, except as required by applicable law.