



Indoor RF passives

Galvanic isolator **GISX-201-5/8**

The GISX-201-5/8 is a double galvanic isolator with 5/8 male and female connections able to withstand a torque of min. 10 Nm. The next generation isolator has a bandwidth up to 2 GHz, class A Screening Effectiveness and is built in a robust tubular housing.

GISX-201-5/8 features

- Frequency range 5 - 2000 MHz
- 5/8 male and female connections
- Outstanding RF performances with low insertion loss
- Class A Screening Effectiveness
- All contacts and housing have a high quality plating

One of Teleste's superior performance products
designed for easy installation and reliability.

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INDOOR RF PASSIVES / GISX-201-5/8

ELECTRICAL SPECIFICATIONS			
INSERTION LOSS (dB, Max.) - IN to OUT		RETURN LOSS (dB, Min.) - ALL PORTS	
5 - 470	0.5	5 - 1000	18.0
470 - 862	0.7	1000 - 1700	16.0
862 - 1000	1.0	1700 - 2000	11.0
1000 - 1700	1.3		
1700 - 2000	1.8		
ELECTROMAGNETIC COMPATIBILITY (Min., dB)		INTERMODULATION (Min., dBc)	
5	65	2f1, f1 + f2, 2f2	125 ⁽¹⁾ 125 ⁽²⁾
6 - 7.9	70		
8 - 9.9	80		
10 - 300	85		
300 - 470	80		
470 - 1000	75		
1000 - 2000	55		
GENERAL SPECIFICATIONS			
Safety Isolation ⁽³⁾ 2120 VDC	Inner conductor input to inner conductor output Outer conductor input to outer conductor output		≤ 0.7 mA, ≥ 1 minute ≤ 0.7 mA, ≥ 1 minute
Safety Isolation ⁽³⁾ 230 VAC	Inner conductor input to inner conductor output Outer conductor input to outer conductor output		≤ 2.0 mA RMS ≤ 2.0 mA RMS
Surge immunity ⁽⁴⁾	1 kV, 1,2/50µS	Housing	Zinc alloy White Bronze plating
Connector 5/8 female spring 5/8 male pin Hex Nut	Material/plating		Phosphor bronze/NiSn Brass/NiSn Brass/NiSn
Connector torque	max. tightening torque 10 Nm		
Dimensions	Metal housing, incl. conn.		98 mm x Ø 18,75 mm
NOTES			
(1) Out of the box.			
(2) Two carriers (60 & 65 MHz), applied to the output port, @120dBµV. Measured after 1 pulse 1kV (1,2/50µS) applied to the output port. In accordance with IEC 60728-4.			
(3) According to IEC-60728-11 2007, Safety.			
(4) Surge voltage according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port.			
ORDERING INFORMATION			
GISX-201-5/8	Double galvanic isolator with 5/8 male and female connectors, 5-2000 MHz		

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www.teleste.com

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