



Indoor RF passives

Galvanic isolator **GIX-107**

The GIX-107 is a compact isolator offering superior performance in a lightweight and easy to install housing.

GIX-107 features:

- Bandwidth: 5 ~ 1500 MHz
- Zinc alloy die-cast housing with nickel plating
- An outstanding isolator that conforms CENELEC safety requirements EN50083-1 and Class A screening effectiveness EN50083-2
- F port conforms to EN 61169-24 standard with 360° inner conductor seizure to ensure optimal holding force and transmission quality



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

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INDOOR RF PASSIVES / GIX-107

ELECTRICAL SPECIFICATIONS				
INSERTION LOSS (dB, Max.) - IN to OUT		SCREENING EFFECTIVENESS (EN50083-2) (Note 1)		
5-470	0.5	Transfer Impedance Method	(MHz)	(dB)
471-862	0.7		5	60
863-1000	1.0	Absorbing Clamp Method (-dB Min)	6 - 7.9	70
1001-1700	1.3		8 - 9.9	80
			10 - 300	85
			301 - 470	80
			471 - 1000	75
RETURN LOSS (dB, Min.) – ALL PORTS				
Frequency (MHz)				
5 - 1000			18	
1001 - 1500			18	
GALVANIC ISOLATION 2120VDC & 230VAC (EN50083-1)			GENERAL SPECIFICATION	
Inner conductor Input → Inner conductor output	2120VDC 230VAC	0.7 mA 2.0 mA RMS	Dimensions	ø14.4 X 57.3 mm
Inner conductor Input → Outer conductor output	2120VDC 230VAC	0.7 mA 2.0 mA RMS	Impedance	75 Ohm
Inner conductor Input → Outer conductor input	2120VDC 230VAC	0.7 mA 2.0 mA RMS	Operating temperature	-20 to +60 °C
Outer conductor Input → Outer conductor output	2120VDC 230VAC	0.7 mA 2.0 mA RMS	Weight	33.5 g
Outer conductor Input → Outer conductor output	2120VDC 230VAC	0.7 mA 2.0 mA RMS	Spike protection	Current suppression: 500 Amp. (2x10µsec) Clamping voltage: 65V, Response time: 1 nsec
NOTE				
(1)				
- 5-30 MHz - Coupling Unit Method according IEC 60728-2				
- 30-950MHz - Absorption Clamp Method according IEC-60728-2 sec 4.4				
- 950-1000MHz - Substitution Method				
ORDERING INFORMATION				
GIX-107	Stand-alone isolator with F Male to F Female connectors.			
GIX-107-SP	Stand-alone isolator with F Male to F Female connectors with 500mA current suppression.			
BLOCK DIAGRAM				

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TELESTE CORPORATION
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GIX-107.181210

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