



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 ~ 2000 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)		
Frequency (MHz)	Spec.	Typ.	Transfer Impedance Method	(MHz)	(dB)
5 - 10	0.5	0.4	Absorbing Clamp Method (-dB Min)	5	65
11 - 40	0.5	0.4		6 - 7.9	70
41 - 470	0.5	0.4		8 - 9.9	80
471 - 862	0.7	0.4		10 - 12	85
863 - 1000	1.0	0.6		12 - 300	85
1001 - 1700	1.3	0.6		301 - 470	80
1701 - 2000	1.8	1.1		471 - 1000	75
				1001 - 1700	55
				1701 - 2000	55
RETURN LOSS (dB, Min.) - ALL PORTS					
5 - 10	18	25			
11 - 40	18	25			
41 - 470	18	25			
471 - 862	18	25			
863 - 1000	18	25			
1001 - 1700	16	25			
1701 - 2000	11	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)					
<ul style="list-style-type: none"> • 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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