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Indoor RF passives

## Next Generation Wall Outlets **GIZ-101**

The GIZ-101 is an award winning next generation miniature isolator from Teleste offering superior performance and modular flexibility to reduce installation time and cost.



### GIZ-101 features

- Innovative design of small housing with integrated connectors and plastic housings facilitating install in modular Euro wall socket faceplate systems.
- Integrated fly-lead attached to isolator to allow easy install.
- Conforms to IEC 60728-11 Safety Requirements and Cenelec Class A screening effectiveness - optimised for Class A++ within LTE Band.

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

**TELESTE**

## INDOOR RF PASSIVES / GIZ-101

ELECTRICAL SPECIFICATIONS				
Frequency (MHz)	Min.	Typ.	Max.	
<b>INSERTION LOSS (dB) - IN to OUT</b>				
5-470	-	0.2	0.5	
471-862	-	0.5	0.8	
863-1000	-	0.6	1.0	
1001-1700	-	0.8	1.3	
<b>RETURN LOSS (dB) – ALL PORTS</b>				
5-1000	18	20	-	
1001-1700	16	20	-	
<b>SCREENING EFFECTIVENESS</b>				
Frequency (MHz)	0 to +30°C		-20 to +40°C	
	Min.	Typ.	Min.	Typ.
5	60	70	60	65
6 - 7.9	70	75	70	70
8 - 9.9	80	80	70	78
10 - 12	85	85	80	83
13 - 300	85	90	85	85
301 - 470	80	90	80	90
471 - 699	75	85	75	85
<b>700 - 862</b>	<b>95</b>	<b>105</b>	<b>95</b>	<b>105</b>
863 - 1000	75	85	75	85
1001 - 1700 (Note 1)	55	60	55	60
<b>INTERMODULATION</b>				
P + Q (min.) (Note 2)				-120
				-120
<b>GALVANIC ISOLATION</b>		<b>GENERAL SPECIFICATION</b>		
2120 VDC (Note 3)	Inner Conductor (Input) to Inner Conductor (Output)	Dimensions	15.7 x 58.8 mm	
2120 VDC (Note 3)	Outer Conductor (Input) to Outer Conductor (Output)	Impedance	75 Ω	
230 VAC (Note 4)	Inner Conductor (Input) to Inner Conductor (Output)	Operating temperature	-20 to +40 °C	
230 VAC (Note 4)	Outer Conductor (Input) to Outer Conductor (Output)	Weight	30 g	
<b>NOTES</b>				
(1) Transfer Impedance method IEC 60728-2 (5 - 30 MHz). Absorption clamp method IEC 60728-2 (30 - 1000MHz). CoMeT Triaxial Cell method (1000-1700MHz).				
(2) The inner and outer connections within this device are capacitively coupled and have no ferrite baluns, thus voltage impulses have no effect on intermodulation.				
(3) IEC 60728-11 sec 10 Safety Requirement: 2120 VDC for 1 minute, leakage current 0.7mA max.				
(4) IEC 60728-11 sec 10 Safety Requirement: 230VAC leakage current 8mA RMS max @ -20°C, typical performance of GIZ-101 Max. <2.00mA +5 to +30°C.				
<b>ORDERING INFORMATION</b>				
<b>GIZ-101-200</b>	Galvanic Isolator (F Female connector) complete with integrated fly-lead (length 200 mm) and plastic housing* for modular faceplate systems.			
<b>GIZ-101IM-200</b>	Galvanic Isolator (IEC Male connector) complete with integrated fly-lead (length 200 mm) and plastic housing* for modular faceplate systems.			
<b>GIZ-101BL-200</b>	Galvanic Isolator (F Female connector) BarriER® LiTe version complete with integrated fly-lead (length 200mm) and plastic housing* for modular faceplate systems.			
* On request GIZ-101xx-200 can be ordered with different coloured plastics and custom printed logo at additional cost				



TELESTE CORPORATION

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