



Indoor RF passives

Galvanic Isolator **GIS-308**

The GIS-308 is a compact isolator offering superior performance in a lightweight and easy to install housing.

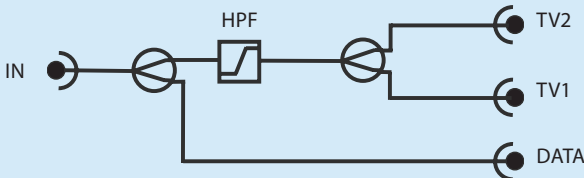
Features

- Conforms to IEC 60728-11 & 10 Safety Requirements and Screening Effectiveness IEC 60728-2.
- 100% HI-POT test in production.
- TV PORT: Integrated with HPF85 (pass band 85 - 1000 MHz). IN-DATA: 5 - 1000 MHz.
- Blocking capacitors on all output ports for DC/HUM protection.
- F port conforms to ANSI/SCTE 02 2006 Standard with 360° inner conductor seizure to ensure optimal holding force and transmission quality.
- Press-in sealing technology with Aluminum lid for corrosion protection.

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

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INDOOR RF PASSIVES / GIS-308

ELECTRICAL SPECIFICATIONS					
Insertion Loss (dB) IN - TV 1-2			Insertion Loss (dB) IN - DATA		
(MHz)	QA (dB)	TYP. (dB)	(MHz)	QA (dB)	TYP. (dB)
5 - 65	20 (min.)	28	5-900	6.5	6.0
85 - 900	7.5	6.7	901-1000	6.7	6.3
901-1000	7.8	7.2			
Isolation (dB) TV - TV			Isolation (dB) TV - DATA		
85 - 1000	20 (min.)	26	5 - 65	40 (min.)	55
			66 - 1000	20 (min.)	26
Return Loss IN (dB)			Return Loss (dB) TV 1-2		
85 - 1000	16 (min.)	20	85 - 205	16 (min.)	19
Return Loss DATA (dB)					
5 - 65	16 (min.)	18			
66 - 1000	16 (min.)	21			
GENERAL					
Galvanic Isolation IEC 60728-11 & 10 Safety Requirement	Inner Conductor (Input) --> Inner conductor (Output)		2120VDC	0.7 mA	
			230VAC	2.0 mA RMS	
	Outer Conductor (Input) --> Outer conductor (Output)		2120VDC	0.7 mA	
			230VAC	2.0 mA RMS	
Screening Effectiveness (IEC 60728)	RFI test by CoMeT with power level: 0 dBm		(MHz)	(dB)	
			5 - 8	100	
			9 - 10	80	
			11 - 300	85	
			301 - 470	80	
			471 - 1000	75	
Operating temperature		-20°C ~ +60°C			
Impedance		75 Ω			
Dimensions		70.8 x 59 x 20 mm			
BLOCK DIAGRAM					
					
ORDERING INFORMATION					
GIS-308	3-way Galvanic isolator, DATA 5-1000 MHZ, 2 x TV 85-1000 MHZ				

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TELESTE CORPORATION
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