



Indoor RF passives

Fully Isolated System Outlet **FISO-X11**

The FISO-X11 is a low leakage current double galvanic isolator for in-home applications. With a bandwidth up to 2GHz, this next generation isolator has a unique right angle connector to make installations easier.

FISO-X11 features

- Frequency range up to 2 GHz, Doccis 4.0 compliant
- Electromagnetic compatibility exceeds Class A+
(= Class A +10 dB)
- Outstanding RF performance
- Ultra low leakage current
- All contacts White Bronze plated



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

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INDOOR RF PASSIVES / FISO-X11

ELECTRICAL SPECIFICATIONS					
INSERTION LOSS TV - IN-OUT (Max. dB)			RETURN LOSS - INPUT & OUTPUT (Min. dB)		
Frequency (MHz)	Typ.	Max.	Frequency (MHz)		
5 - 470	0.3	0.5	5 - 12	13	
470 - 1006	0.6	0.5	12 - 40	20	
1006 - 1218	0.8	1.0	40 - 2000	20 ⁽¹⁾	
1218 - 2000	1.0	1.2			
ELECTROMAGNETIC COMPATIBILITY (Min. dB) ⁽²⁾			INTERMODULATION F1 + F2 (Min. dBc)		
Frequency (MHz)			Intermodulation f1 + f2 (dBc, Min.)	125 ⁽³⁾ 125 ⁽⁴⁾	
5 - 300	95				
300 - 470	90				
470 - 950	85				
950 - 2000	65				
GENERAL SPECIFICATION					
Safety Isolation ⁽⁵⁾ 2120 VDC	Inner conductor Input to inner conductor Output Outer conductor Input to outer conductor Output		Leakage current ≤ 0.7 mA, ≥ 1 minute Leakage current ≤ 0.7 mA, ≥ 1 minute		
Safety Isolation ⁽⁵⁾ 230VAC RMS, 50/60 Hz	Inner conductor Input to inner conductor Output Outer conductor Input to outer conductor Output		Leakage current ≤ 8.0 mA RMS Leakage current ≤ 8.0 mA RMS		
Connectors	Input Output		F-female acc. IEC61169-24 IEC-male acc. IEC61169-24		
Surge Immunity Test ⁽⁶⁾	1 kV, 1,2/50µS		Housing	Zinc/White Bronze	
F-connector F-spring IEC-male connector IEC-male pin	Material/plating		Brass/White Bronze ⁽⁷⁾ BC/White Bronze ⁽⁷⁾ Zinc/White Bronze ⁽⁸⁾ Brass/White Bronze ⁽⁸⁾		
Plating thickness	All contacts		>2.0 µm		
F-connector torque	Nom. tightning torque 4.5 Nm				
Dimensions	Metal housing, incl.conn. ABS housing		67 x 41 x 29,4 mm 93 x 53 x 30 mm		
NOTES					
(1)	F > 40 MHz -1.5 dB/oct.				
(2)	Class A +10 dB, values according to IEC 60728-2 2012 plus 10 dB, EMC measured with Comet Tube System				
(3)	Out of the box.				
(4)	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.				
(5)	According to IEC-60728-11 2007, Safety.				
(6)	Surge voltage according to IEC 61000-4-5, EMC (class 2, level 2) applied between the inner and outer conductor of each port.				
(7)	Dimensions in accordance with IEC 61169-24.				
(8)	Dimensions in accordance with IEC 61169-2.				
ORDERING INFORMATION					
FISO-X11	Fully Isolated System Outlet, Double Galvanic Isolator				

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TELESTE CORPORATION
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