

Isolator SQILI-011

Features:

- Fly lead with full galvanic isolator
- IEC-female 90 degree angled to IEC-male connector
- Cenelec Class B screening effectiveness
- Wide frequency range from 5 to 1000 MHz
- Voltage protection up to 500 V DC. No safety device!



Description

The SQILI-011 is a fully isolated fly-lead with an integrated isolator and has a IEC-female (90 degree angled) at one end and a IEC-male connector at the other end of the lead. It has been specifically designed to prevent earth-loop problems when connecting plasma and LCD TV's to cable networks. The SQILI-11 has wide frequency range from 5 to 1000 MHz.

The isolator circuit protects the equipment against surges and lightning strokes up to 500 V DC, therefore this isolator is NOT A SAFETY DEVICE! The SQILI-011 has a screening effectiveness according to Cenelec's Class B.

Specifications

V2 sep 02, 2010

Port	Range	Min	Typical	Max	Units	Remark
Frequency Range Equipment Approval		5	CE	1000	MHz	

Ordering Information

SQILI-011	Isolator	Article number:	19001966
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	Port	Range	Min	Typical	Max	Units	Remark
Insertion Loss	In/Out	5 MHz < F < 400 MHz		1.2	2.0	dB	
		400 MHz < F < 1000 MHz		1.8	3.0		
Return Loss	In/Out	5 MHz < F < 1000 MHz	14,00	20		dB	1
Screening Effectiveness		470 MHz < F < 1000 MHz	65				
Galvanic Isolation	Inner conductor Input	Inner conductor output			500	V DC	
	Outer conductor Input - Outer conductor each port	Outer conductor output			500	V DC	
Spurious signals		5 MHz < F < 1000 MHz	120			dBc	2,3
Second Harmonic			120				

Remarks	
1	Transfer impedance method according IEC 60728-2 (5-30 MHz) Absorbion clamp method according IEC-60728-2 § 4.4 (30-3000 MHz)
2	Two carriers (50 & 55MHz) @ 120dBμV, after 10 pulses (25V/1,2μS rise time/500μS duration) at all ports
3	Two carriers (50 & 55MHz) @ 120dBμV, before surge