

Filter Module FIL-RJ45-PoE++

MTS-No.: 30800

Page 1 from 2

Description

The Filter Module RJ45 with integrated EMI filter is designed to be built in at MTS Shielding Boxes series MSB. It supports “Ethernet, Fast Ethernet and Gigabit-Ethernet” and is suitable for testing mobiles, tablets or similar devices with high data rates under shielded conditions.

PoE power passing compatible and passive filter elements are included.

The connectors are RJ45 CAT 5 socket.



Technical data:

1 RJ45 specifications:

1.1 Supported standards	10 / 100 / 1000 Ethernet	
1.2 Transfer rates		
@ Ethernet	10 Mbit/s typ. (1.2 MB/s)	
@ Fast Ethernet	100 Mbit/s typ. (12.5 MB/s)	
@ Gigabit-Ethernet	1000 Mbit/s typ. (125 MB/s)	
1.3 PoE compatibility	PSE max.	PD min.
@ PoE (802.3af)	15.4 W	13.0 W
@ PoE+ (802.3at)	30.0 W	25.5 W
@ PoE++ (802.3bt)	90.0 W	71.0 W
1.4 Voltage	60 V DC max.	
@ each pin		
1.5 Current capacity	1500 mA max.	
@ each line		
1.6 EMI filter	Common mode chokes	
1.7 Pinning RJ45 interface		
@ Pin 1	D1+	EMI
@ Pin 2	D1-	EMI
@ Pin 3	D2+	EMI
@ Pin 4	D3+	EMI
@ Pin 5	D3-	EMI
@ Pin 6	D2-	EMI
@ Pin 7	D4+	EMI
@ Pin 8	D4-	EMI
@ Shell	Shield	Housing

2 Connections:

2.1 RJ45 interface outside	CAT 5 socket
2.2 RJ45 interface inside	CAT 5 socket

3 General specifications:

3.1 Operating temperature	-30 °C - +70 °C
3.2 Storage temperature	-40 °C - +80 °C
3.3 Reference temperature for specifications	+25 °C
3.4 Dimensions (without connections)	71 mm x 41.75 mm x 31 mm (LxWxH)
3.5 Case style	Milled aluminium enclosure
3.6 Colour	SurTec650 (chromit Al)
3.7 Weight	155 grams

4 Delivered parts:

Filter Module FIL-RJ45-PoE++
Datasheet

5 Comments:

Warranty	12 months
RoHS-compliant	Yes

6 Recommended accessories:

RJ45 CAT5e cables or higher

Filter Module FIL-RJ45-PoE++

MTS-No.: 30800

Page 2 from 2

Views:

