



High-Pass Filter type MTA-HPF-150

MTS-No.: R65.90.0002

Application

In the sector of EMC measurement high peaks often appear below 150 kHz. Connected test receivers are overloaded and that leads to inaccurate measurements. Typical disturbance sources are frequency converters and switching power supplies in the frequency range of 9 kHz to 150 kHz.

Description

A useful accessory for EMC measurements is the High-Pass Filter, which has to get connected between the LISN and the measurement receiver input. The High-Pass Filter suppresses disturbing signals below 150 kHz and allows reproducible measurements in the frequency range of 150 kHz to 30 MHz.



Picture similar

Technical data

1 RF-specifications:

1.1 Impedance	50 Ω
1.2 Frequency range	9 kHz to 250 MHz
1.3 Input power	100 mW
1.4 Insertion loss	<0,9 dB
1.5 VSWR in	< 1 : 1,75
1.6 VSWR out	< 1 : 1,75
1.7 Cut-off frequency	150 kHz
1.8 Ripple	<0,5 dB
1.9 Technology	Tschebyscheff, 5pole

2 Connectors:

2.1 RF-input	BNC male
2.2 RF-output	BNC female

3 General specifications:

3.1 Operating temperature	+5 °C to +60 °C
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3.2 Storage temperature	-30 °C to +70 °C
3.3 Reference temperature of specifications	+5 °C to +60 °C
3.4 Dimensions (without connections)	69 mm x 20 mm x 20 mm (LxWxH)
3.5 Case style	Aluminium
3.6 Colour	Silver plated
3.7 Weight	Approx. 0,1 kg

4 Delivered parts:

MTA-HPF-150
CD-ROM with correction values and datasheet

5 Comments:

Warranty	12 months
RoHS compliant	Yes

6 Recommended accessories:

Measurement cable assemblies