multimedia push-on filter

Product information

The "push-on" passive multimedia filters are available in various configurations. These satisfy the demands made for passive filtering of TV, FM and DATA signals in modern CATV home networks.

Push-on filters

These multimedia push-on passive filters are available in standard and diplex versions. Standard versions have a higher attenuation in the return path and are suited to home applications where extra loss in the data signal is tolerable. Diplex versions are designed with extremely low return path attenuation and for separation of TV, FM and satellite intermediate frequency bands.

Technical specifications

Type		POF-B 1-4
Version		Diplex
Item no.		42131
DATA		
Frequency forward		87.5 - 1006 MHz
Frequency reverse		5 - 65 MHz
Insertion loss forward		4.0 (± 0.8) dB
Insertion loss reverse		0.7 (± 0.5) dB
Return loss		Grade 2*
Isolation to DATA-TV	5 - 65 MHz	> 40 dB
	87.5 - 108 MHz	> 17 dB
	108 - 1006 MHz	> 20 dB
Isolation to DATA-FM	5 - 65 MHz	> 60 dB
	87.5 - 1006 MHz	> 40 dB
Connector		F-Female
TV		
Frequency range		87.5 - 1006 MHz
Insertion loss		4.0 (± 0.8) dB
Return loss		Grade 2*
Isolation IN-TV (5-65 MHz)		> 35 dB
Isolation TV-FM (5-1000 MHz)		> 40 dB
Connector		IEC-Male
FM		
Frequency range		87.5 - 1006 MHz
Insertion loss		0.6 (± 1.0) dB
Return loss (87.5-108 MHz)		> 14 dB
Isolation IN-FM (5-65 MHz)		> 25 dB
Connector		IEC-Female
Common		
Input return loss TV (5-1006 MHz)		Grade 2*
Input return loss FM (87.5-108 MHz)		> 14 dB
Input connector TV		IEC-Female
Input connector FM		IEC-Male
Screening effectiveness	5 - 30 MHz	> 90 dB
	30 - 300 MHz	> 85 dB
	300 - 470 MHz	> 80 dB
	470 - 1006 MHz	> 75 dB
Operating temperature		0°C - 55°C
Dimensions (H x W x D)		63 x 85 x 35.5 mm

Ordering information

Type no.	Item no.	Qty. (box)
42131	POF-B 1-4	100 pcs.

[1] EN 60728-4 Grade 2   5 - 47 MHz   > 18 dB
                       47 - 1006 MHz > 18 dB - 1.5 dB/oct.

[2] Screening effectiveness:
       CENELEC 50083-2 Class A
       5-300 MHz ≥ 85 dB, 300-470 MHz ≥ 80 dB
       470-950 MHz ≥ 75 dB, 950-1006 MHz ≥ 65 dB

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