

attenuators, equalizers & filters



General for all DKT attenuators and stopfilters

The compact DKTCOMEGA attenuators have very accurate attenuation, are easily mounted and very durable. All of the filters are designed with a free rotating nut, allowing installation without twisting the cable.

Furthermore, the connectors are plated with a nickel-tin alloy, ensuring minimum corrosion over time and reducing the need to retighten connectors across the cable network to near zero for the product's lifespan. This is a common cause of error in cable networks and many hours per year can thus be saved.



Attenuators

The excellent quality ensures linear performance in the 5-3000 MHz frequency band. DKTCOMEGA's quality in return loss and screening is also adopted, emphasizing the concept of having no weak points in the CATV network. Specific attenuation values from 1 - 20 dB (in steps of 1 dB) available upon request.

Screening efficiency: Class A (EN 50083-2)
 Return loss: 5 - 1006 MHz > 22 dB
 1006 - 3000 MHz > 14 dB
 Exceeding Grade 1 (EN60728-4)

Type no.:	Item no.:	Attenuation (5-3000 MHz)
1 dB-F	50601	1 dB ± 0.3 dB
2 dB-F	50602	2 dB ± 0.3 dB
3 dB-F	50603	3 dB ± 0.3 dB
4 dB-F	50604	4 dB ± 0.3 dB
5 dB-F	50605	5 dB ± 0.3 dB
6 dB-F	50606	6 dB ± 0.3 dB
8 dB-F	50608	8 dB ± 0.3 dB
10 dB-F	50610	10 dB ± 0.3 dB
12 dB-F	50612	12 dB ± 0.3 dB
16 dB-F	50616	16 dB ± 0.3 dB
20 dB-F	50620	20 dB ± 0.3 dB

Return path attenuators

Return path attenuators are used to attenuate the 5-65 MHz band, with a high linearity throughout the frequency range.

Screening efficiency: Class A (EN 50083-2)
 Return loss: 87 - 1006 MHz > 16.5 dB - 1.5 dB/oct.
 Exceeding Grade 2 (EN60728-4)
 Insertion loss: 87 - 100 MHz < 1.5 dB
 100 - 1006 MHz < 1 dB

Type no.:	Item no.:	Attenuation (5-65 MHz)
3 dB-F RPA	50703	3 dB ± 0.5 dB
6 dB-F RPA	50706	6 dB ± 0.5 dB
9 dB-F RPA	50709	9 dB ± 0.5 dB
12 dB-F RPA	50712	12 dB ± 0.5 dB

Equalizers

Designed for signal correction in networks by compensation of the frequency dependant cable losses.

Screening efficiency: Class A (EN 50083-2)
 Return loss: 5 - 47 MHz ≥ 18 dB
 47 - 1006 MHz > 18 dB - 1.5 dB/oct.
 Grade 2 (EN60728-4)

Type no.:	Item no.:	Tilt (5-1006 MHz)
T1-5-1006F	44120	1 dB
T2-5-1006F	44121	2 dB
T3-5-1006F	44122	3 dB
T4-5-1006F	44123	4 dB
T5-5-1006F	44124	5 dB
T6-5-1006F	44125	6 dB
T7-5-1006F	44129	7 dB
T9-5-1006F	44126	9 dB
T10-5-1006F	44127	10 dB
T12-5-1006F	44128	12 dB

Forward path attenuators

Forward path attenuators are used to attenuate the 87-1006 MHz band, with a high linearity throughout the frequency range.

Screening efficiency: Class A (EN 50083-2)
 Return loss: 5 - 65 MHz ≥ 18 dB
 87 - 1006 MHz > 18 dB - 1.5 dB/oct.
 Exceeding Grade 2 (EN60728-4)
 Insertion loss: 5 - 65 MHz - 1 dB

Type no.:	Item no.:	Attenuation (87-1006 MHz)
3 dB-F FPA	50763	3 dB ± 0.5 dB
6 dB-F FPA	50766	6 dB ± 0.5 dB
9 dB-F FPA	50769	9 dB ± 0.5 dB
12 dB-F FPA	50770	12 dB ± 0.5 dB

Return path stopfilter

High pass filter with a high rejection in the stop band. Used for filtering undesired interference in the return path.

Other pass/stop combinations are available upon request.

Screening efficiency: Class A (EN 50083-2)
 Return loss: 87 - 1006 MHz > 18 dB - 1.5 dB/oct.
 Exceeding Grade 2 (EN60728-4)
 Insertion loss: 5 - 65 MHz > 45 dB
 87 - 1006 MHz < 1.5 dB

Type	Item no.:	Data
HPF 85	51005	Pass 87 - 1006 MHz Stop 5 - 65 MHz

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