

RETURN ATTENUATORS



Inline return attenuators are used when extra attenuation is needed only the return path. The forward path will only be attenuated by < 1.0 dB. With F-female / F-male connectors, the attenuators can be mounted directly on an F-connector without the need of adapters. The return attenuators can be used for example to reduce ingress problems.

Features

- CENELEC safety requirements EN50083-1
- Class A screening effectiveness EN50083-2
- Excellent return loss
- Several attenuation values available
- CE approval
- Easy mounting

Technical specifications

Product code	RAF03	RAF06	RAF09	RAF12	RAF15	RAF20	RAF25	RAF30
Insertion loss (dB)								
5...65 MHz	3.0	6.0	10.0	12.0	15.0	20.0	25.0	30.0
85...1000 MHz ¹⁾	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Flatness (dB)								
5...65 MHz	±0.7	±0.7	±0.7	±0.7	±0.7	±0.7	±0.7	±0.7
Return loss, min (dB)								
5...65 MHz	18	18	18	18	18	18	18	18
85...1000 MHz ²⁾	18	18	18	18	18	18	18	18

General

Connectors	F female / F male
Dimensions (Ø x L)	7/16" HEX x 34.5 mm
Impedance	75 Ω
Enclosure classification	IP67
Operating temperature range	-40...+60 °C
EMC compatibility	EN 50083-2
RFI	100 dB

Notes

- 1) Typical, max 1.5 dB
- 2) @ 85 MHz -1.5 dB / octave, but not less than -14 dB