

Inline Return Attenuators

RAF-xx-85

Inline return attenuators are used when extra attenuation is needed only in the return path. The forward path will only be attenuated by < 1.3 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 to reduce ingress problems.

Features

- DOCSIS 3.1 ready with frequency range up to 1218 MHz
- O-ring in F-male port to ensure waterproof seal
- F-female port meets IEC 61194-24 standard
- Excellent return loss
- Several attenuation values available
- CE approval

One of Teleste's unique and award winning superior performance passives designed for easy installation and reliability.



INDOOR RF PASSIVES / RAF-xx-85

ELECTRICAL SPECIFICATIONS					
INSERTION LOSS (dB, Max.)					
Frequency (MHz)	RAF03-85	RAF06-85	RAF09-85	RAF12-85	RAF015-85
5 - 85	3±0.9	6±1.1	9±0.9	12±1.0	15±1.4
105 - 250	1.5	1.7	1.4	1.7	1.7
251 - 450	1.2	1.1	1.0	0.9	0.9
451 - 1000	0.9	0.9	1.0	0.9	0.9
1001 - 1218	1.1	0.9	1.1	1.2	1.2
RETURN LOSS (dB, Min.)					
5 - 85	18	15	16	16	17
105 - 250	16	16	16	16	15
251 - 450	15	16	16	16	16
451 - 1000	14.5	16	16	16	16
1001 - 1218	14.5	16	16	15	15

GENERAL SPECIFICATIONS	
Connectors	F female / F male
Housing	Brass with NiSn plating
Male pin	Copper with NiSn plating
Female seizure	PB with tin plating
Impedance	75 Ω
Operating temperature	-40 - 60 °C
EMC compatibility	EN 50083-2
RFI	100 dB
Dimensions ($\varnothing \times l$)	11 mm (7/16") Hex x 34.5 mm
Weight	10 gram
ORDERING INFORMATION	
RAF03-85	Return path attenuator 3dB, Ff-Fm, 5-85MHz
RAF06-85	Return path attenuator 6dB, Ff-Fm, 5-85MHz
RAF09-85	Return path attenuator 9dB, Ff-Fm, 5-85MHz
RAF12-85	Return path attenuator 12dB, Ff-Fm, 5-85MHz
RAF15-85	Return path attenuator 15dB, Ff-Fm, 5-85MHz