

- **Complete range of return path attenuators**
- **5 - 204 MHz**
- **Suitable for use in customer premise and street cabinets**
- **Low insertion loss**
- **Tubular nickel-plated brass housing**
- **Complies with EN Class A++ screening requirements**



Overview

The RAI-204-xxdB series of return path attenuators has been designed for in-home signal conditioning.

Models within the series provide attenuation ranging from 3dB up to 20dB and have a frequency range from 5 - 204 MHz.

The entire series has a nickel-plated brass tubular housing.

RF and electrical specifications

		3dB			6dB			9dB			12dB			20dB			
		Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
Insertion Loss (dB)	In -> Out	MHz															
		5-135	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10	11	12	13	19	20	21
		136-204	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10	10.2	12	13.8	18	20	22
		258-350		1.5	2.5		2.5	3.3		3.2	4.0		3.5	4.3		4.0	4.6
			0.5	1.5		1.0	2.0		1.0	2.0		1.0	2.0		0.5	2.0	
Return Loss (dB, min)	In/Out	MHz		Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ	Min	Typ		
		5-135		20		20		20		20		20		20		20	
		136-204		14		10		10		10		10		10		10	
		258-350	10	14	10	10	8	10	8	10	8	10	8	10	8	10	
		14	20	14	20	14	20	14	20	14	20	14	20	14	20		
Screening efficiency (dB, Typ) Minimum exceeds Class A.	MHz																
	3 - 300		-105.0		-105.0		-105.0		-105.0		-105.0		-105.0		-105.0		
	300 - 470		-100.0		-100.0		-100.0		-100.0		-100.0		-100.0		-100.0		
	470 - 1218		-95.0		-95.0		-95.0		-95.0		-95.0		-95.0		-95.0		
Connectors	In	F-male															
	Out	F-female															
Material	Housing	Nickel plated brass															
	F-tulip spring	Silver plated beryllium copper															
Impedance (typ)	75Ω																
Dimensions (mm)	L x H x D	12.5(ψ)mm x 40.5(L)mm															
Equipment Approval	CE																

Remarks

1	Tested according to EN 50083-2 2006
2	Tested according to IEC 169-24
	Measurements taken at room temperature

Ordering information

Item number	Article Number
RAI-204-3dB	19012446
RAI-204-6dB	19012447
RAI-204-9dB	19012448
RAI-204-12dB	19012449
RAI-204-20dB	19012450