

Аттенюаторы коаксиальные фиксированные СВЧ диапазона



Fixed attenuators

Fixed attenuators

Low, medium and high power

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<http://www.tt-telecom.ru> Отдел продаж: market@tt-telecom.ru

Fixed attenuators

Product description

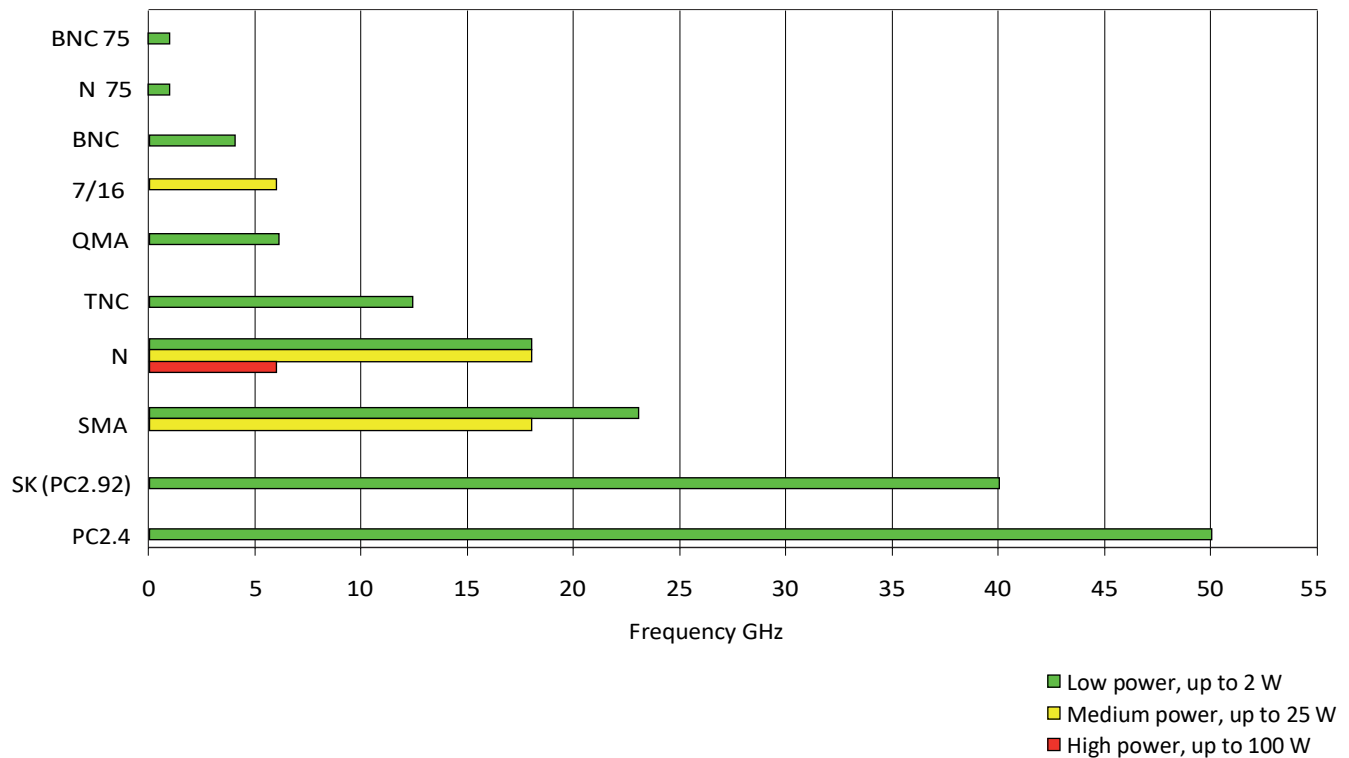
RF attenuators are used to reduce the power of a signal without causing distortion of its waveform. They are used in many test & measurement and communication applications

- Power adjuster between different channels or inline subsystems
- As a protection for the input of the test equipment to reduce threatening RF power
- To improve the impedance matching between subsystems or to the test instrumentation

Features

- 50 Ω or 75 Ω impedance
- Fixed attenuation level from 1 dB up to 30 dB
- Various bandwidth to improve the impedance matching between subsystems of its waveform
- Wide range of interfaces
- Made to female connectorisation

Attenuators quick selection chart



Product details

Specific data sheets and outline drawings are available on request or on our website hubersuhner.com.

Power handling capability

The referenced average input power rating is mainly applicable at 25 °C ambient temperature. For higher ambient temperature a certain power derating may be required. Please see detailed product specification. Medium and high power products shall be mounted in such a way that free air convection around heat sink is given to assure performance.

Low power attenuators, up to 2 Watts

BNC, 50 Ω, connector configuration male to female



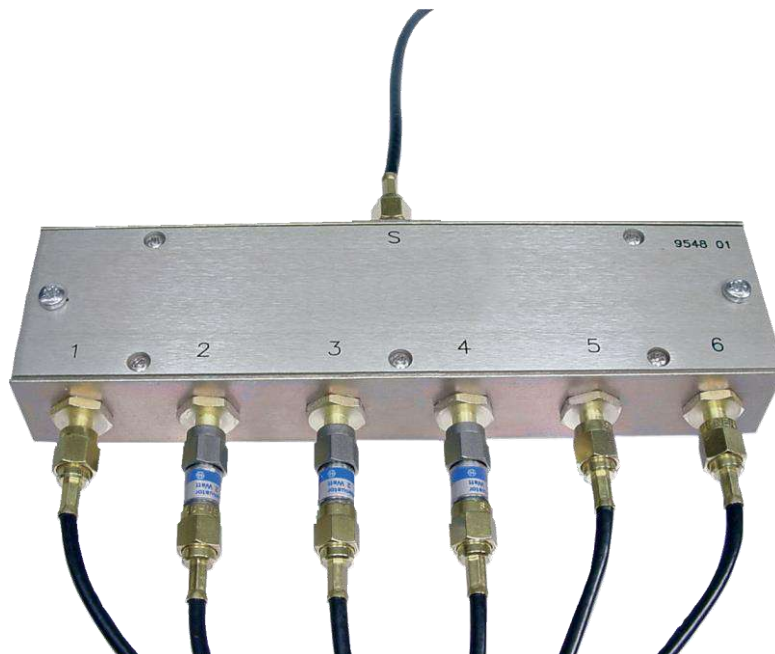
Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
4	1.2	20.8	2	1	6801.01.A	22641542
				2	6802.01.A	22641543
				3	6803.01.A	22550177
				6	6806.01.A	22550178
				10	6810.01.A*	22550179
				20	6820.01.A*	22550180
				30	6830.01.A*	22550181

* 1 Watt power rating

BNC, 75 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
1	1.15	23.1	1	3	6903.02.A	22550074
				6	6906.02.A	22550088
				10	6910.02.A	22550124
	1.2	20.8	0.4	20	6920.02.A	22550138



Low power attenuators, up to 2 Watts

N, 50 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
6	1.25	19.1	2	1	6801_N-50-1	84066765
				2	6802_N-50-1	84066769
				3	6803_N-50-1	84066770
				4	6804_N-50-1	84066772
				5	6805_N-50-1	84066786
				6	6806_N-50-1	84066798
				7	6807_N-50-1	84066801
				8	6808_N-50-1	84066802
				9	6809_N-50-1	84066808
				10	6810_N-50-1	84066809
				15	6815_N-50-1	84066814
				20	6820_N-50-1	84066815
				30	6830_N-50-1	84066817
12.4	1.35	16.5	2	1	6801.17.A	22641535
	1.25	19.1	2	2	6802.17.A	22641536
				3	6803.17.A	22550182
				4	6804.17.A	22641537
				5	6805.17.A	22641538
				6	6806.17.A	22550183
				7	6807.17.A	22641539
				8	6808.17.A	22641540
				9	6809.17.A	22641541
				10	6810.17.A*	22550185
				20	6820.17.A*	22550186
				30	6830.17.A*	22550187
				18	1.25	19.1
6	6806.17.B	22550189				
10	6810.17.B*	22550190				
20	6820.17.B*	22550191				
30	6830.17.B*	22550192				

* 1 Watt power rating

N, 75 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
1	1.15	23.1	1	3	6903.18.A	22550218
				6	6906.18.A	22550219
			0.8	10	6910.18.A	22550220
			0.4	20	6920.18.A	22550221

Low power attenuators, up to 2 Watts

PC2.4, 50 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
50	1.75	11.3	0.5	3	6603_PC24-50-1	84058353
				6	6606_PC24-50-1	84058358
				10	6610_PC24-50-1	84058360
				20	6620_PC24-50-1	84058363
				30	6630_PC24-50-1	84058370

QMA, 50 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
6	1.2	20.8	2	3	6803_QMA-50-2	84058454
				6	6806_QMA-50-2	84058457
				10	6810_QMA-50-2	84058461
				20	6820_QMA-50-2	84058212

SK (PC2.92), 50 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
40	1.4	15.6	0.5	3	6603_SK-50-1	84076856
				6	6606_SK-50-1	84076855
				10	6610_SK-50-1	84076854
				20	6620_SK-50-1	84076850

Low power attenuators, up to 2 Watts

SMA, 50 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
6	1.2	20.8	2	1	6601_SMA-50-2	84037361
				2	6602_SMA-50-2	84034481
				3	6603_SMA-50-2	84036311
				4	6604_SMA-50-2	84034272
				5	6605_SMA-50-2	84037414
				6	6606_SMA-50-2	84037343
				7	6607_SMA-50-2	84037410
				8	6608_SMA-50-2	84037388
				9	6609_SMA-50-2	84037381
				10	6610_SMA-50-2	84036452
				15	6615_SMA-50-2	84037424
				20	6620_SMA-50-2	84037362
				30	6630_SMA-50-2	84037372
18	1.35	16.5	2	1	6801.19.A ¹⁾	22641550
				2	6802.19.A ¹⁾	22641555
				3	6803.19.A ¹⁾	22550028
				4	6804.19.A ¹⁾	22641554
				5	6805.19.A ¹⁾	22641553
			1	6	6806.19.A ¹⁾	22550030
				7	6807.19.A ¹⁾	22641552
				8	6808.19.A ¹⁾	22641551
				9	6809.19.A ¹⁾	22641566
				10	6810.19.A ¹⁾	22550031
				20	6820.19.A ¹⁾	22550042
				30	6830.19.A ¹⁾	22550052

¹⁾body made of copper beryllium alloy with gold plating and without epoxy captivation for better EMC shielding

Low power attenuators, up to 2 Watts

SMA, 50 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
18	1.35	16.5	2	1	6601_SMA-50-1	84037360
				2	6602_SMA-50-1	84030799
				3	6603_SMA-50-1	84036313
				4	6604_SMA-50-1	84034265
				5	6605_SMA-50-1	84037413
				6	6606_SMA-50-1	84037341
				7	6607_SMA-50-1	84037409
				8	6608_SMA-50-1	84037387
				9	6609_SMA-50-1	84037379
				10	6610_SMA-50-1	84036459
				15	6615_SMA-50-1	84037421
				20	6620_SMA-50-1	84037363
				23	1.4	15.6
2	6602_SMA-50-3	84066840				
3	6603_SMA-50-3	84066841				
4	6604_SMA-50-3	84066842				
5	6605_SMA-50-3	84066844				
6	6606_SMA-50-3	84066845				
7	6607_SMA-50-3	84066847				
8	6608_SMA-50-3	84066850				
9	6609_SMA-50-3	84066851				
10	6610_SMA-50-3	84066853				
15	6615_SMA-50-3	84066855				
20	6620_SMA-50-3	84066879				
30	6630_SMA-50-3	84066884				

TNC, 50 Ω, connector configuration male to female



Frequency DC to GHz	VSWR max.	Return loss min. dB	Power rating W	Nom. attenuation dB	HUBER+SUHNER type	Item no.
12.4	1.4	15.6	2	3	6803.26.A	22543746
				6	6806.26.A	22550194
			1	10	6810.26.A	22550195
				20	6820.26.A	22550196
				30	6830.26.A	22550197

Medium/high power attenuators

N, 50 Ω, connector configuration male to female

Power rating W	Frequency DC to GHz	VSWR max.	Return loss min. dB	Nom. attenuation dB	HUBER+SUHNER type	Item no.
5	6	1.2	20.8	1	5901_N-50-6	84060474
				2	5902_N-50-6	84060477
				3	5903_N-50-6	84060582
				4	5904_N-50-6	84060583
				5	5905_N-50-6	84060584
				6	5906_N-50-6	84060587
				7	5907_N-50-6	84060588
				8	5908_N-50-6	84060589
				9	5909_N-50-6	84060590
				10	5910_N-50-6	84060597
				15	5915_N-50-6	84060647
				20	5920_N-50-6	84060649
				30	5930_N-50-6	84060653
				40	5940_N-50-6	84060654
10	6	1.25	19.1	3	5903.17.0003	22648036
		1.35	16.5	6	5906.17.0003	22648039
	18	1.4	15.6	3	5903_N-50-010	84060166
				6	5906_N-50-010	84060181
				10	5910_N-50-010	84060182
				20	5920_N-50-010	84060186
				30	5930_N-50-010	84060452
				40	5940_N-50-010	84060453
25	6	1.25	19.1	3	5903.17.0004	22648037
				6	5906.17.0004	22648040
		1.2	20.8	10	5910_N-50-025	84067096
				20	5920_N-50-025	84067101
				30	5930_N-50-025	84067102
50	6	1.25	19.1	3	5903.17.0005	22648038
		1.35	16.5	6	5906.17.0005	22648041
		1.25	19.1	10	5910_N-50-050*	84067128
				20	5920_N-50-050*	84067127
				30	5930_N-50-050*	84064545

* unidirectional unit, input port is the male connector



High power attenuators

N, 50 Ω, connector configuration male to female

Power rating W	Frequency DC to GHz	VSWR max.	Return loss min. dB	Nom. attenuation dB	HUBER+SUHNER type	Item no.
100	6	1.45	14.7	3	5903_N-50-1	84060038
				6	5906_N-50-1	84060058
				10	5910_N-50-1	84060059
				20	5920_N-50-1	84060060
				30	5930_N-50-1	84048317
				40	5940_N-50-1	84060078

all units are unidirectional, input port is the male connector



Medium power attenuators

SMA, 50 Ω, connector configuration male to female

Power rating W	Frequency DC to GHz	VSWR max.	Return loss min. dB	Nom. attenuation dB	HUBER+SUHNER type	Item no.
5	18	1.35	16.5	3	5903_SMA-50-005	84066683
				6	5906_SMA-50-005	84066745
				10	5910_SMA-50-005	84066751
				20	5920_SMA-50-005	84066757
				30	5930_SMA-50-005	84066762
10	6	1.2	20.8	3	5903.19.0001	22659280
				6	5906.19.0002	22651220
	18	1.35	16.5	3	5903_SMA-50-010	84066939
				6	5906_SMA-50-010	84066946
				10	5910_SMA-50-010	84066948
				20	5920_SMA-50-010	84066949
				30	5930_SMA-50-010	84066962

* unidirectional unit, input port is the male connector



Medium power attenuators

7/16, 50 Ω, connector configuration male to female

Power rating W	Frequency DC to GHz	VSWR max.	Return loss min. dB	Nom. attenuation dB	HUBER+SUHNER type	Item no.
10	6	1.25	19.1	3	5903.41.0001	22652689
		1.35	16.5	6	5906.41.0001	22652690
		1.45	14.7	10	5910_716-50-010	84067139
				20	5920_716-50-010	84067141
				30	5930_716-50-010	84067142
25	6	1.35	16.5	6	5906.41.0002	22651235
		1.2	20.8	10	5910_716-50-025	84067156
				20	5920_716-50-025	84067171
				30	5930_716-50-025	84067172

* unidirectional unit, input port is the male connector

