

Нагрузки согласующие коаксиальные

RF components

Edition 2018





Coaxial terminators

Coaxial terminators

Low, medium and high power

Нагрузки коаксиальные

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Coaxial terminators

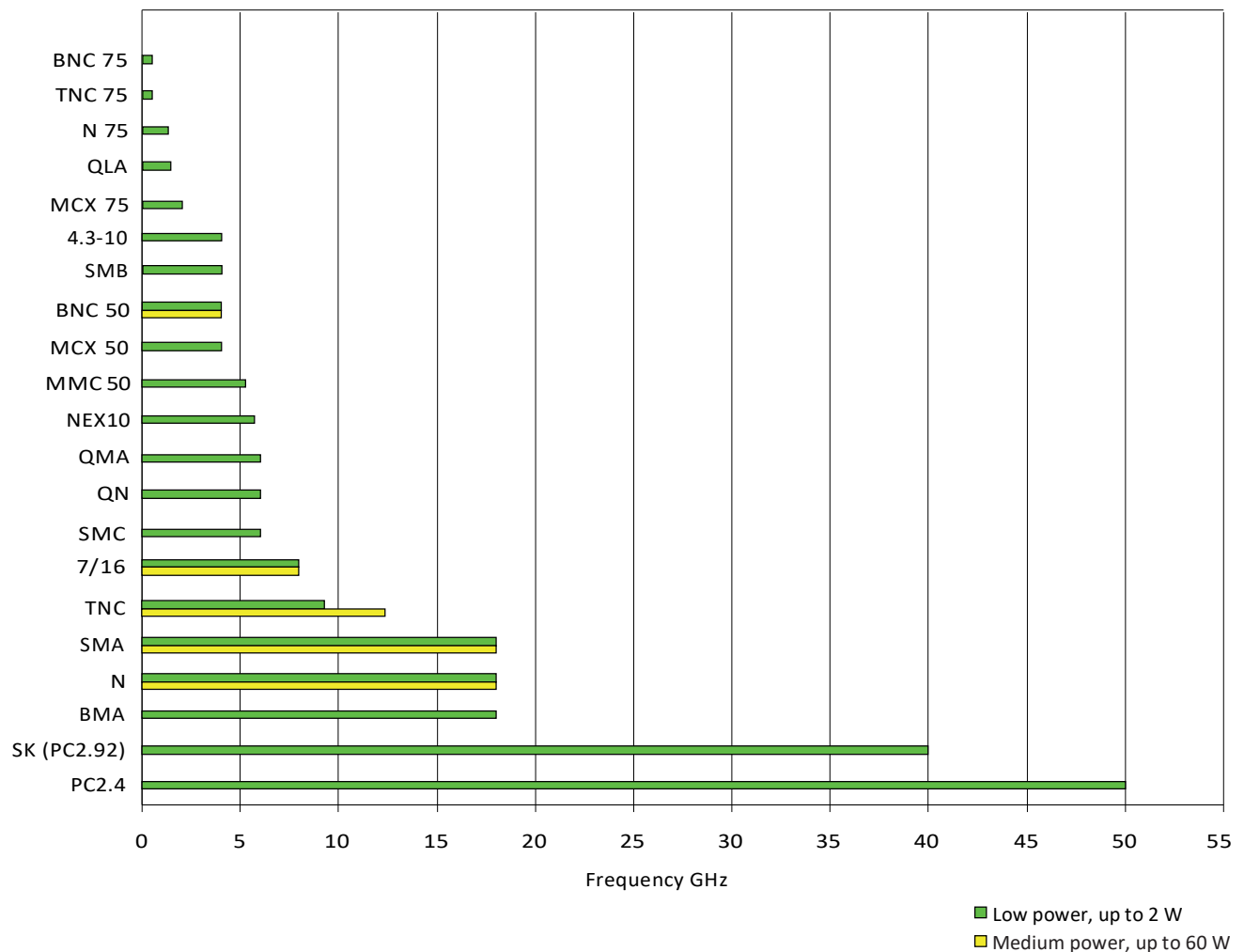
Product description

Terminators (also called RF loads or dummy loads) are applied to an open end of a transmission line, e.g. an RF port, to prevent the back-reflection of an RF signal. They are used in a large variety of test & measurement, defence and communication applications.

Features

- Impedance matched
- Standard or precision types
- Various bandwidth
- Low and medium power

Termination 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 terminators, up to 2 Watts

BNC, 50 and 75 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
2	1.2	20.8	1	50 Ω male	65_BNC-50-0-2 ¹⁾	22550141
				50 Ω female	65_BNC-50-0-35 ¹⁾	22648680
4	1.15	23.1	1	50 Ω male	65_BNC-50-0-6	84010974
1	1.22	20.1	0.4	75 Ω male	65_BNC-75-0-7	22650006
	1.1	26.4	1	75 Ω male	65_BNC-75-0-1	22550055
	1.1	26.4	1	75 Ω male	65_BNC-75-0-2 ¹⁾	22550058

¹⁾products with chain

MCX, 50 and 75 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
6	1.22	20.1	1	50 Ω male	65_MCX-50-0-4	85026660
2	1.2	20.8	0.5	50 Ω female	65_MCX-50-0-31	22550163
2	1.3	17.7	0.5	75 Ω male	65_MCX-75-0-1	22649865
				75 Ω female	65_MCX-75-0-31	22650762

BMA, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
15	1.45	14.7	0.5	female	65_BMA-50-0-2	23031865
18	1.35	16.5	0.5	female	65_BMA-50-0-1	22648598

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Low power terminators, up to 2 Watts

MMCX, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
6	1.22	20.1	1	male	65_MMCX-50-0-2	85026661
2	1.2	20.8	0.5	female	65_MMCX-50-0-31	22649357

NEX10, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
6	1.14	24	2	male	65_NEX10-50-0-X1	85113130

N, 50 and 75 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
2.5	1.22	20.1	1	N 50 Ω male	65_N-50-0-52 ¹⁾	84016980
4	1.2	20.8	1	N 50 Ω male	65_N-50-0-1	22550091
6	1.15	23.1	1	N 50 Ω male	65_N-50-0-51	23034002
				N 50 Ω male	65_N-50-0-53 ²⁾	84025689
18	1.06	30.7	2	N 50 Ω male	6500_N-50-1	84066537
				N 50 Ω female	6500_N-50-2	84066538
	1.25	19	2	N 50 Ω male	65002_N-50-1	84059922
1.3	1.05	32.3	1	N 75 Ω male	65_N-75-0-11	22550107

¹⁾ products with chain

²⁾ waterproof

PC2.4, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
50	1.6	12.7	0.5	male	6500_PC24-50-1	84066625

Low power terminators, up to 2 Watts

QLA, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
1.4	1.22	20.1	1	male	65_QLA-01-0-3	85011311

QMA, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
6	1.15	23.1	1	male	65_QMA-50-0-2	84011011
				female	65_QMA-50-0-4	23038371
3	1.2	20.8	1	male	65_QMA-W50-0-5 ²⁾	84025816

¹⁾ products with chain
²⁾ waterproof

QN, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
6	1.15	23.1	1	male	65_QN-50-0-2	84015257

SK (PC2.92), 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
40	1.22	20.1	1	male	6500.42.0001	84000377

Low power terminators, up to 2 Watts

SMA, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
6	1.15	23.1	1	male	65_SMA-50-0-20 ²⁾	84011015
	1.15	23.1		male	65_SMA-50-0-25 ¹⁾²⁾	84028132
	1.15	23.1		female	65_SMA-50-0-35 ²⁾	23015765
18	1.1	26.4	0.75	male	6500.19.A	22645868
	1.15	23.1		female	6500.19.B	22645869
	1.25	19.1	1	male	65_SMA-50-0-1 ²⁾	22640162
				female	65_SMA-50-0-36	84141417

¹⁾products with chain

²⁾waterproof

SMB, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
4	1.4	15.6	0.5	male	65_SMB-50-0-1	22550111
				female	65_SMB-50-0-31	22640230

SMC, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
4	1.2	20.8	0.5	female	65_SMC-50-0-31	22550114
6	1.22	20.1	1	male	65_SMC-50-0-2	84011016

Low power terminators, up to 2 Watts

TNC, 50 and 75 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
2	1.2	20.8	1	50 Ω male ¹⁾	65_TNC-50-0-5	22659509
				50 Ω female	65_TNC-50-0-31	22640683
6	1.15	23.1	1	50 Ω male	65_TNC-50-0-6	84011017
1	1.1	26.4	1	75 Ω male	65_TNC-75-0-1	22543883

¹⁾ product with chain

4.3-10, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
4	1.1	20.8	2	male	65_4310-50-0-X1	85096478
4	1.1	20.8	2	male	65_4310-50-0-Z1	85088548

X: torque Z:quick-lock

7/16, 50 Ω



Frequency GHz	VSWR max.	Return loss min. dB	Power rating W	Interface characteristics	HUBER+SUHNER type	Item no.
2	1.2	20.8	1	male	65_716-50-0-3	22652596
8	1.1	26.4	1	female	6500.41.B	22650017
				male	6500.41.A	22650018
4	1.2	20.8	2	male	65_716-50-0-2	22648281

Medium power terminators, up to 60 Watts

BNC, 50 Ω



Power rating W	Frequency GHz	VSWR max.	Return loss min. dB	Interface characteristics	HUBER+SUHNER type	Item no.
6	4	1.1	26.4	male	6506.01.A	22550260
				female	6506.01.B	22550259
15	4	1.1	26.4	male	6515.01.A	22550273

N, 50 Ω



Power rating W	Frequency GHz	VSWR max.	Return loss min. dB	Interface characteristics	HUBER+SUHNER type	Item no.
6	6	1.25	19.1	male	6506.17.0001	22659464
	12.4	1.25	19.1	male	6506.17.A	22550258
				female	6506.17.B	22550253
10	6	1.2	20.8	male	65010_N-50-1	84047978
				female	65010_N-50-4	84068990
	18	1.4	15.6	male	65010_N-50-3	84066518
				female	65010_N-50-2	84068982
15	12.4	1.25	19.1	male	6515.17.A	22550264
				female	6515.17.B	22550263
25	2	1.1	26.4	male	6525.17.AB	22643785
				female	6525.17.BB	22643787
	5	1.2	20.8	male	6525.17.AA	22642248
				female	6525.17.BA	22643786
	6	1.2	20.8	male	65025_N-50-1	84059933
				female	65025_N-50-1	84059933
50/25*	2	1.1	26.4	male	6550.17.AB	22643791
				female	6550.17.BB	22643793
	5	1.2	20.8	male	6550.17.AA	22641938
				female	6550.17.BA	22643792
60	2	1.1	26.4	male	6560.17.AB	22643799
				female	6560.17.BB	22643801
	5	1.2	20.8	male	6560.17.AA	22643798
				female	6560.17.BA	22643800

* 50 Watt, if the termination is mounted on an additional heat sink with a max. thermal resistance (R_{th}) of 5 K/Watt.
Without additional heat sink this termination is applicable up to 25 Watts only.

Medium power terminators, up to 60 Watts

SMA, 50 Ω



Power rating W	Frequency GHz	VSWR max.	Return loss min. dB	Interface characteristics	HUBER+SUHNER type	Item no.
5	18	1.25	19.1	male	65005_SMA-50-1	84066544
6	6	1.25	19.1	male	6506.19.0001	22659462
		1.25	19.1	male	6506.19.A	22550257
				female	6506.19.B	22550256
10	18	1.4	15.6	male	65010_SMA-50-1	84066618
15	12.4	1.25	19.1	male	6515.19.A	22544579
				female	6515.19.B	22544580

TNC, 50 Ω



Power rating W	Frequency DC to GHz	VSWR max.	Return loss min. dB	Interface characteristics	HUBER+SUHNER type	Item no.
6	6	1.25	19.1	male	6506.26.0002	22649996
	12.4	1.3	17.7	male	6506.26.A	22550255

7/16, 50 Ω



Power rating W	Frequency DC to GHz	VSWR max.	Return loss min. dB	Interface characteristics	HUBER+SUHNER type	Item no.
6	8	1.2	20.8	male	6506.41.A	22550272
				female	6506.41.B	22550271
10	4	1.2	20.8	male	65010_716-50-1	84048315
15	8	1.2	20.8	male	6515.41.A	22544577
				female	6515.41.B	22544578
25	2	1.1	26.4	male	6525.41.AB	22643788
				female	6525.41.BB	22643790
50/25*	5	1.2	20.8	male	6525.41.AA	23007076
				female	6525.41.BB	23007077
60	2	1.1	26.4	male	6550.41.AB	22643795
				female	6550.41.BB	22643797
	5	1.2	20.8	male	6560.41.AB	22643803
				female	6560.41.BB	22643805
60	5	1.2	20.8	male	6560.41.AA	23008377
				female	6560.41.BA	23010487

* 50 Watt, if the termination is mounted on an additional heat sink with a max. thermal resistance (R_{th}) of 5 K/Watt. Without additional heat sink this termination is applicable up to 25 Watts only.