

Coaxial terminators

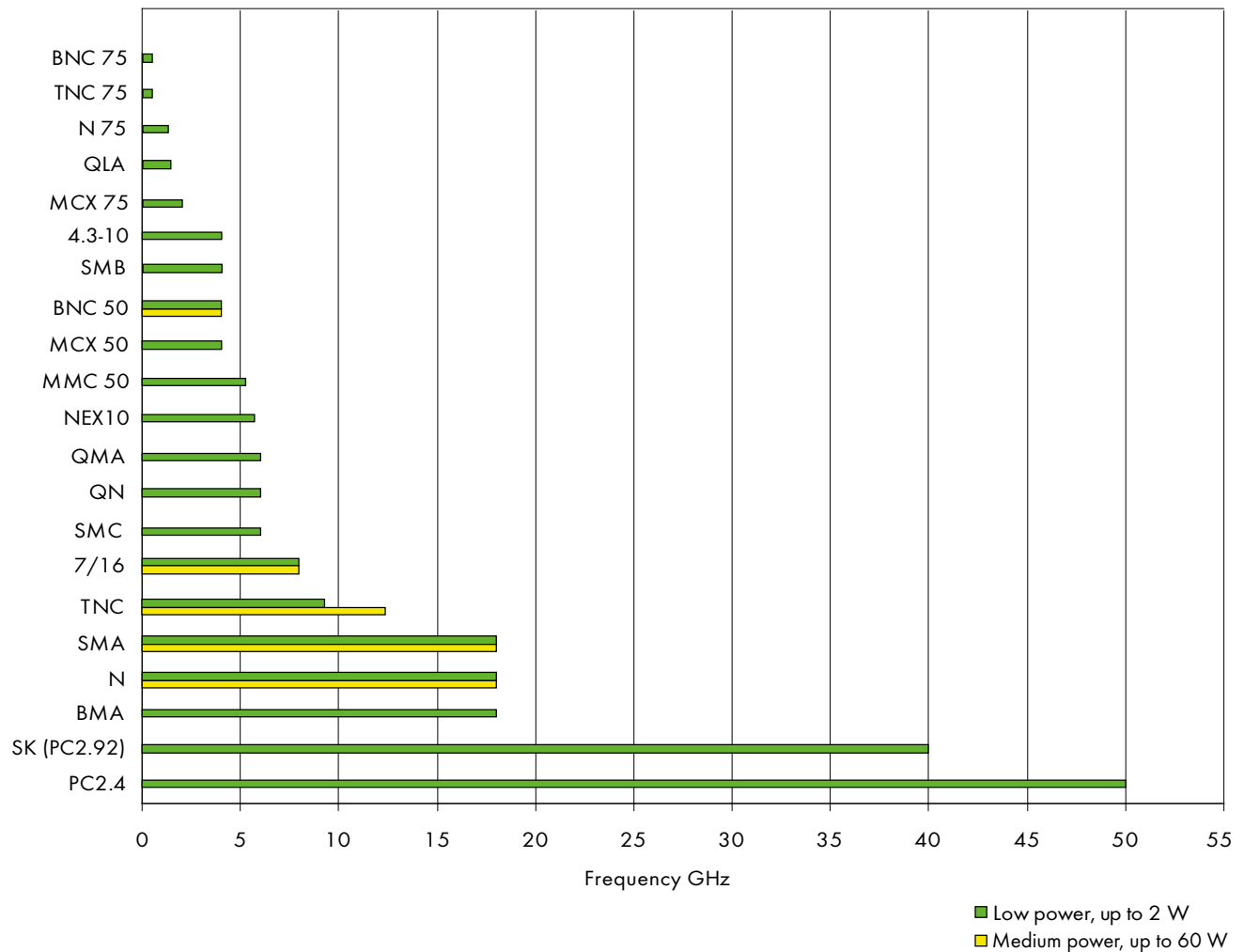
Product description

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

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
				female	6506.17.A	22550258
	12.4	1.25	19.1	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
	50/25*	2	1.1	26.4	male	6550.17.AB
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	12.4	1.25	19.1	male	6506.19.0001	22659462
		1.25	19.1	male	6506.19.A	22550257
		1.25	19.1	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
50/25*	2	1.1	26.4	male	6550.41.AB	22643795
				female	6550.41.BB	22643797
60	2	1.1	26.4	male	6560.41.AB	22643803
				female	6560.41.BB	22643805
	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.