

Coaxial Terminations

Low, medium and high power

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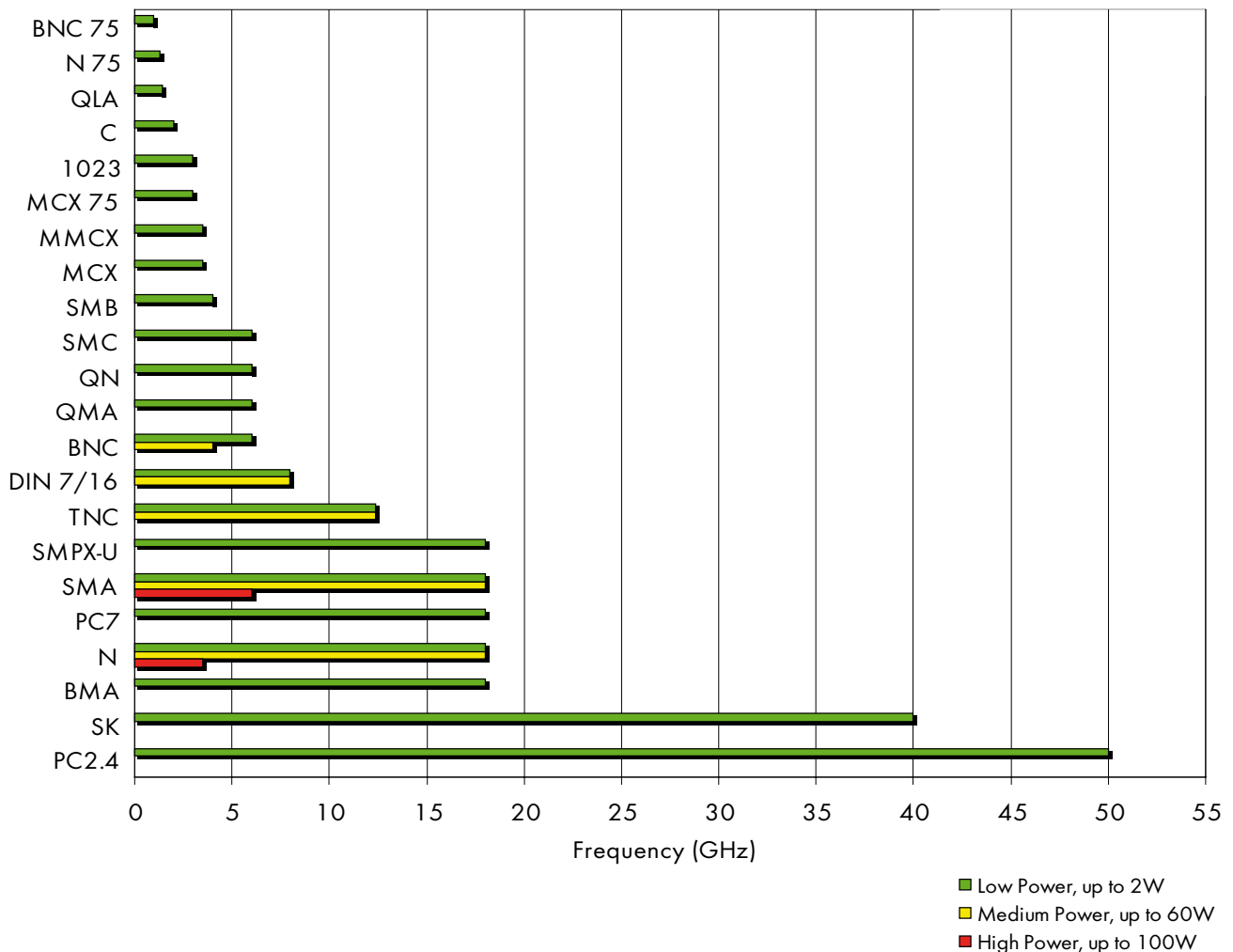
Product Description

Terminations are used to close an open RF port. They are applied in a large variety of test+measurement, defence and communication applications.

Features and benefits

- Broadband
- Low and medium power
- Low VSWR
- High repeatability

Termination quick selection chart



Product details

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

Power handling capability

The referenced average power is 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 must be mounted in such a way that free air convection around heat sink is given to assure performance.

Low Power Terminations, 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.
1	1.15	23.1	2	50 Ω male	65_BNC-50-0-72	84059870
2	1.2	20.8	1	50 Ω male ¹⁾	65_BNC-50-0-2	22550141
				50 Ω female ¹⁾	65_BNC-50-0-35	22648680
4	1.12	24.9	0.5	50 Ω male	6500.01.0003	23000974
				50 Ω female	6500.01.0002	23008378
6	1.15	23.1	1	50 Ω male	65_BNC-50-0-6	84010974
1	1.1	26.4	0.4	75 Ω male	65_BNC-75-0-7	22650006
			1	75 Ω female	65_BNC-75-0-31	22550036

¹⁾ Products with chain.



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



C, 50 Ω

Frequency (GHz)	VSWR max.	Return loss min. (dB)	Power rating (W)	Interface characteristics	HUBER+SUHNER type	Item no.
2	1.22	20.1	1	male	65_C-50-0-1	22550062



MCX, 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	0.5	50 Ω male	65_MCX-50-0-1	22550162
				50 Ω female	65_MCX-50-0-31	22550163
3.5	1.05	32.3	1	50 Ω male	65_MCX-50-0-11 ¹⁾	22658215
				50 Ω female	65_MCX-50-0-32 ¹⁾	22658216
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
3	1.09	27.3	1	75 Ω female	65_MCX-75-0-20 ²⁾	23010280
				75 Ω male	65_MCX-75-0-10 ²⁾	23010281

¹⁾ Kit 73_Z-0-500

²⁾ Kit 73_Z-0-750



Low Power Terminations, 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.
2	1.2	20.8	0.5	male	65_MMCX-50-0-1	22649356
				female	65_MMCX-50-0-31	22649357
3.5	1.05	32.3	1	female	65_MMCX-50-0-32 ¹⁾	22658200
				male	65_MMCX-50-0-11 ¹⁾	22658199

¹⁾ Kit 73_Z-00-355



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 ¹⁾	65_N-50-0-52	84016980
4	1.2	20.8	1	N 50 Ω male	65_N-50-0-1	22550091
6	1.2	20.8	2	N 50 Ω male	65002_N-50-1	84059922
			1	N 50 Ω male	65_N-50-0-11	22550095
	1.22	20.1	1	N 50 Ω female	65_N-50-0-31	22550207
	1.15	23.1	1	N 50 Ω male	65_N-50-0-51	23034002
N 50 Ω male				65_N-50-0-53	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
	1.08	28.3	0.5	N 50 Ω female	6500.17B	22550202
				N 50 Ω male	6500.17A	22550203
1.3	1.05	32.3	1	N 75 Ω male	65_N-75-0-11	22550107

¹⁾ Products with chain.



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



PC7, 50 Ω

Frequency (GHz)	VSWR max.	Return loss min. (dB)	Power rating (W)	Interface characteristics	HUBER+SUHNER type	Item no.
18	1.7	11.7	0.5	PC7	6500.28.A	22543740



QLA, 50 Ω

Frequency (GHz)	VSWR max.	Return loss min. (dB)	Power rating (W)	Interface characteristics	HUBER+SUHNER type	Item no.
1.4	1.35	16.5	0.5	male	65_QLA-01-0-1	22640036



Low Power Terminations, up to 2 Watts

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-50-0-3 ¹⁾	23033932
				male	65_QMA-50-0-2	84011011
				female	65_QMA-50-0-4	23038371
3	1.2	20.8	1	male watertight	65_QMA-W50-0-5	84025816

¹⁾ Products with chain.



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, 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



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	female	65_SMA-50-0-35	23015765
	1.25	19.1		male	65_SMA-50-0-20	84011015
	1.15	23.1		male	65_SMA-50-0-25 ¹⁾	84028132
18	1.1	26.4	0.75	male	6500.19.A	22645868
	1.15	23.1	0.75	female	6500.19.B	22645869
	1.25	19.1	1	female	65_SMA-50-0-31	22550158
				male	65_SMA-50-0-1	22640162

¹⁾ Products with chain.



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 Terminations, 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 female	65_TNC-50-0-31	22640683
				50 Ω male ¹⁾	65_TNC-50-0-5	22659509
6	1.15	23.1	1	50 Ω male	65_TNC-50-0-6	84011017
12.4	1.26	18.8	0.5	50 Ω female	6500.26.0002	22659846
				50 Ω male	6500.26.0003	22659852
1	1.1	26.4	1	75 Ω male	65_TNC-75-0-1	22543883
				75 Ω female	65_TNC-75-0-31	22550152

¹⁾ Product with chain.



DIN 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
				female	65_716-50-0-31	22648282



Medium Power Terminations, 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	female	6506.01.B	22550259
				male	6506.01.A	22550260
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	female	6506.17.B	22550253
				male	6506.17.A	22550258
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	female	6515.17.B	22550263
				male	6515.17.A	22550264
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	6550.17.AB	22643791
50/25*	2	1.1	26.4	female	6550.17.BB	22643793
				male	6550.17.AA	22641938
	5	1.2	20.8	female	6550.17.BA	22643792
				male	6560.17.AB	22643799
60	2	1.1	26.4	female	6560.17.BB	22643801
				male	6560.17.AA	22643798
	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 Terminations, 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.
3	18	1.25	19.1	male	65_SMA-50-0-6	22651460
5	18	1.25	19.1	male	65005_SMA-50-1	84066544
6	6	1.25	19.1	male	6506.19.0001	22659462
		1.15	23.1	male ¹⁾	65006_SMA-50-1	84064197
	12.4	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
25	2	1.1	26.4	male	6525.19.AB	22643660
	5	1.2	20.8	male	6525.19.AA	22643659
				female	6525.19.BA	22643655
50	6	1.25	19.1	male	65050_SMA-50-1	84066590

¹⁾ Product with holes for lock wire.



TNC, 50 Ω

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

¹⁾ Product with holes for lock wire.



DIN 7/16, 50 Ω

Power rating (W)	Frequency DC to (GHz)	VSWR max.	Return loss min. (dB)	Interface characteristics	HUBER+SUHNER type no.	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
	5	1.2	20.8	male	6525.41.AA	23007076
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.



High Power Terminations, up to 100 Watts

SMA, 50 Ω

Power rating (W)	Frequency (GHz)	VSWR max.	Return loss min. (dB)	Interface characteristics	HUBER+SUHNER type	Item no.
100	6	1.4	15.6	male	65100_SMA-50-1	84066596

