

R&S® CMW-Z10/-Z11 RF Shielding Box and Antenna Coupler Specifications



75 Years of
Driving
Innovation


ROHDE & SCHWARZ

Specifications

"Typical values" are designated with the abbreviation "typ." These values are verified during the final test but are not assured by Rohde & Schwarz. "Nominal values" are design parameters that are not assured by Rohde & Schwarz. These values are verified during product development but are not specifically tested during production.

Rohde & Schwarz equipment is designed for reliable operation up to an altitude of 2000 m above sea level, and for transport up to an altitude of 4500 m above sea level.

Data without tolerance limits is not binding.

Base unit

R&S® CMW-Z10 RF shielding box

Shielding effectiveness with R&S® CMW-Z110		
With options R&S® CMW-Z11, R&S® CMW-Z12, R&S® CMW-Z13, R&S® CMW-Z14 mounted	0.4 GHz to 4 GHz	> 80 dB
	4 GHz to 6 GHz	> 60 dB

Options

R&S® CMW-Z11 antenna coupler

VSWR	VSWR without DUT, with R&S® CMW-Z110, R&S® CMW-Z10 open	
	0.4 GHz to 1.4 GHz	< 3.5
	1.4 GHz to 3.5 GHz	< 2
	3.5 GHz to 6 GHz	< 3.5
Max. power ratings	from DUT	+37 dBm
	from R&S® CMW	+33 dBm
Polarization		circular
Connector		N female

R&S® CMW-Z12 D-Sub feedthrough

Power pins 14 to 18	max. current rating	1 A
	max. rated voltage	15 V
	cut-off frequency	1 kHz
Data pins 1 to 13 and 19 to 25	max. current rating	50 mA
	max. rated voltage	15 V
	max. pass frequency	5 MHz
	filter shunt capacitance	< 800 pF

R&S® CMW-Z13 USB 2.0 feedthrough

Connector inside antenna coupler		USB-A
Connector outside antenna coupler		USB-B
Power supply	max. current rating	0.5 A
	rated voltage	5 V
Data rate		low speed full speed USB 2.0 high speed

R&S® CMW-Z14 RF feedthrough

Connector inside antenna coupler		2 × N female
Connector outside antenna coupler		2 × N female
Impedance		50 Ω
Frequency range		0 Hz to 6 GHz

R&S® CMW-Z110 RF cable up to 6 GHz

Connectors		N connectors
Recommendation		high shielding effectiveness due to copper foil and copper braid shield, recommended for operation from 3 GHz to 6 GHz

Dimensions

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Outer dimensions	W × H × D	320.9 mm × 267.5 mm × 527.7 mm (12.6 in × 10.5 in × 20.8 in)
Inner dimensions	W × H × D	239 mm × 157 mm × 371 mm (9.4 in × 6.2 in × 14.6 in)
Weight		9 kg (19.8 lb)

Ordering information

Designation	Type	Order No.
Base unit		
RF Shielding Box	R&S®CMW-Z10	1204.7008.02
Options		
Antenna Coupler up to 6 GHz	R&S®CMW-Z11	1204.7108.02
D-Sub Feedthrough	R&S®CMW-Z12	1204.7208.02
USB 2.0 Feedthrough	R&S®CMW-Z13	1204.7308.02
Connector, 2 × N female	R&S®CMW-Z14	1204.7408.02
RF Cable up to 6 GHz	R&S®CMW-Z110	1204.7608.02

The product brochure containing further information is available under PD 5214.0601.12 and at www.rohde-schwarz.com.

Service you can rely on

- | Worldwide
- | Local and personalized
- | Customized and flexible
- | Uncompromising quality
- | Long-term dependability

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

Environmental commitment

- | Energy-efficient products
- | Continuous improvement in environmental sustainability
- | ISO 14001-certified environmental management system

Certified Quality System
ISO 9001

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PD 5214.0601.22 | Version 01.00 | September 2009 | R&S®CMW-Z10/-Z11
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