

R&S®ZCPS

POWER SUPPLY UNIT

Specifications

General information

The R&S®ZCPS power supply unit is intended for use with R&S®ZCxxx millimeterwave converters only.

Specifications

Converter 1, converter 2

Nominal output voltages		
5.8 V		5.8 V ± 0.1 V
7.3 V		7.3 V ± 0.1 V
12 V		12 V ± 0.1 V
13.8 V		13.8 V ± 0.15 V
-5.5 V		-5.5 V ± 0.1 V
-15 V		-15 V ± 0.15 V

Maximum output currents		
Nominal output voltage	Load condition 1	Load condition 2
5.8 V	10 A	3 A
7.3 V	–	2 A
12 V	0.4 A	0.4 A
13.8 V	–	2 A
-5.5 V	0.25 A	0.25 A
-15 V	0.1 A	0.1 A

Load condition 1 applies if the respective R&S®ZCxxx millimeterwave converter does not draw current from 7.3 V and 13.8 V. Otherwise, condition 2 holds. No R&S®ZCxxx converter will exceed the current limits of the load condition that applies to it. The R&S®ZCPS converter outputs can be loaded independently of each other, e.g. one output at condition 1, the other at condition 2.



General data

Temperature loading	operating temperature range	+5 °C to +40 °C
	storage temperature range	-40 °C to +70 °C
Mechanical resistance	vibration, sinusoidal	in line with IEC 60068-2-1 and IEC 60068-2-2
	vibration, random	+40 °C at 80 % rel. humidity, in line with IEC 60068-2-30
	shock	5 Hz to 150 Hz, in line with IEC 60068-2-6 10 Hz to 300 Hz, in line with IEC 60068-2-64 40 g shock spectrum, in line with MIL-STD-810, method 516
EMC		applied harmonized standards: EN 61326-1 (industrial environments) EN 61326-2-1, EN 55011 (class A) EN 61000-3-2, EN 61000-3-3
Safety		in line with IEC 61010-1, EN 61010-1 and UL 61010-1, CSA-C22.2 No. 61010
Power supply		100 V to 240 V (AC) with tolerance $\pm 10\%$, max. 2.5 A to 1 A, 50 Hz to 60 Hz with tolerance $\pm 5\%$
Power consumption		180 W, typ. 150 W
Operating height above sea level		3000 m
Conformity marks		VDE, CSA, CE, UKCA
Dimensions	W x H x D	103 mm x 107 mm x 209 mm (4.06 in x 4.21 in x 8.23 in)
Weight		1.6 kg (3.5 lb)
Shipping weight		3 kg (6.5 lb)

Ordering information

Designation	Type	Order No.
Power supply unit	R&S®ZCPS	1325.6101.02



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R&S®ZCPS Power Supply Unit

Data without tolerance limits is not binding | Subject to change

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