Data Sheet

HUBER+SUHNER

2-way Wilkinson splitter with one DC path blocked 5502.17.0060

Wilkinson Splitter

Description

This Wilkinson style power divider has been designed for 10 W low power applications where output isolation is preferable over lowest possible loss. The wide frequency range of this design allows use with multiband antennas and leaky cable systems. For one designated output the DC path is blocked, which makes this splitter suitable to split a GPS signal with DC bias voltage from a cellular signal. Unit will be shipped with mounting bracket and hardware attached to divider.

This model has been designed and tested to meet the following standards as recommended by EN 50155 :
EN 61373:2010 cat 1 / class B: Vibration
IEC 60068-2-27: Mechanical shock

Technical Data

Electrical Data

	Signal Band 1
Frequency	0.698 - 2.7 GHz
Return Loss input port	19 dB
Return Loss output port	19 dB
Splitter Loss	3 dB
Insertion Loss	3.4 dB
Isol. between Output ports	20 dB
Ampl. tra. betw. outp. ports	0.3 dB
Max. Composite Power	10 W

	Input 1
Connector Type	N
Connector Gender	jack (female)

	Output 1	Output 2
Port Designation	DC/OUT	
Connector Type	N	N
Connector Gender	jack (female)	jack (female)

Char. impedance	50 Ω

Mechanical Data

Dimensions	26 x 46 x 61 mm (Heigth x Width x Length)
Weight	0.185 kg

Environmental Data

Environmental conditions	indoor
Operation temperature	-40 °C to 75 °C
Storage temperature	-40 °C to 75 °C
IP rating	See remarks
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Material Data

Piece Parts	Material	Surface Plating

Related Documents

Outline drawing	DOU-00263810
3D-model (Step)	DOC-0000455791

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