

2x2, 3 dB hybrid coupler 7404.17.0003

Hybrid Coupler

Description

This hybrid coupler allows the combination of signals in very close frequency bands. If both outputs cannot be used to feed for example two antennas, the free port must be closed on a termination (PIM load or termination for the 3dB power dissipation). The hybrid coupler is according to the EN 50155: 2007 (class T1).



Technical Data

Electrical Data

	Band 1
Frequency	0.694 - 2.7 GHz
Return Loss	20 dB
Coupling	3 dB
Insertion Loss	3.2 dB
Insertion Loss flatness	+/- 0.4 dB
Isol. between Input ports	30 dB
Isol. between Output ports	30 dB
Max Power/input port	80 W
Peak Envelope Power	1500 W
Intermodulation distortion	-161 dBc
@ 2 x Carrier Power	43 dBm

	Input 1	Input 2
Port Designation	J1	J2
Connector Type	N	N
Gender	jack (female)	jack (female)

	Output 1	Output 2
Port Designation	J3	J4
Connector Type	N	N
Gender	jack (female)	jack (female)

Char. impedance	50 Ω
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Mechanical Data

Dimensions	25 x 44 x 132 mm (Height x Width x Length)
Weight	0.644 kg

Environmental Data

Environmental conditions	indoor
Operation temperature	-35 °C to 65 °C
Storage temperature	-35 °C to 65 °C
Transport temperature	-35 °C to 65 °C
IP rating	IP64
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Material Data

Housing Material	Aluminium
Surface treatment	passivated

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Related Documents

Outline drawing

DOU-00124089

