

## 10 dB directional coupler 7210.31.0003

### Directional Coupler

#### Description

This Directional Coupler is designed to cover the frequency range from 694 to 2700 MHz. It directs a defined fraction of signal with minimal reflections or loss from the main line to a coupled line. Available with different values of coupling. It benefits from the excellent PIM performances and compact size of the newly developed interface 4.3-10.



#### Technical Data

##### Electrical Data

	Band 1
Frequency	0.694 - 2.7 GHz
Return loss	19 dB
Coupling	10 dB
Coupling flatness	+/- 1 dB
Coupling loss	0.45 dB
Dissipative loss	0.25 dB
Directivity	20 dB
Max. composite power	200 W
Peak envelope power	1000 W
Intermodulation distortion	-161 dBc
@ 2 x carrier power	43 dBm

	Main Line In	Main Line Out	Coupled Port
Port Designation	IN	OUT	-10 dB
Connector Type	4.3-10	4.3-10	4.3-10
Gender	jack (female)	jack (female)	jack (female)

Char. impedance	50 Ω
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##### Mechanical Data

Dimensions	42 x 123 x 25 mm (Height x Width x Depth)
Weight	0.48 kg

##### Environmental Data

Environmental conditions	outdoor
Operation temperature	-40 °C to 85 °C
Storage temperature	-40 °C to 85 °C
Transport temperature	-40 °C to 85 °C
IP rating	IP67
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

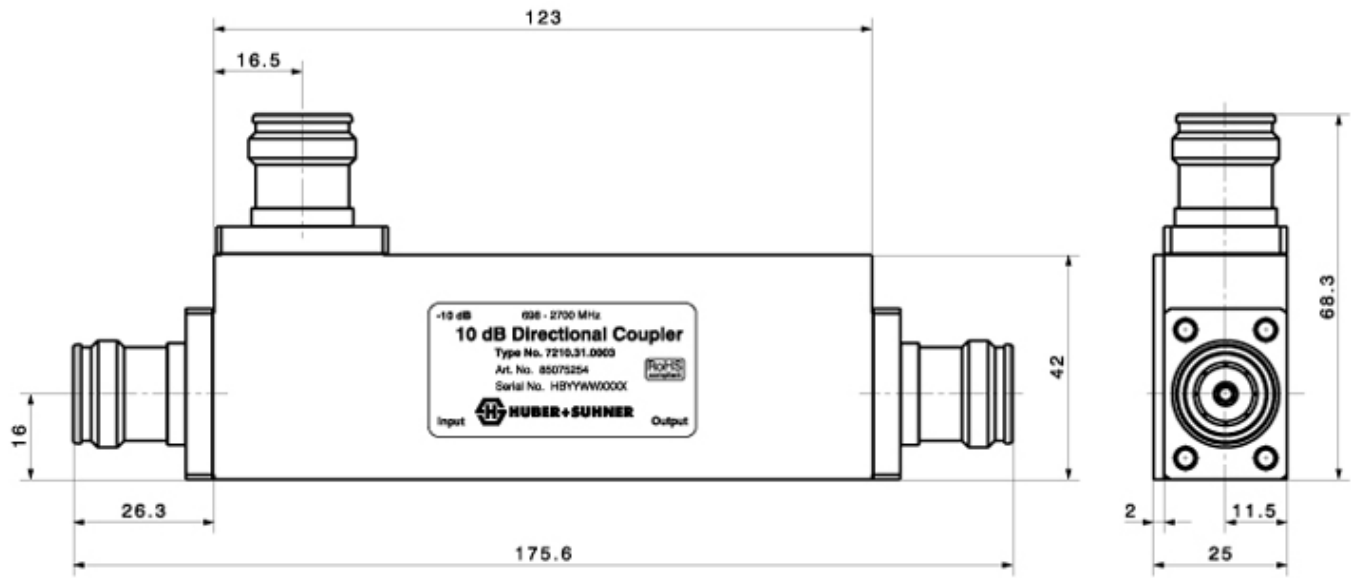
##### Material Data

Housing Material	Aluminium
Surface treatment	Black paint

##### Related Documents

Outline drawing	DOU-00319173
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„dimensions in mm“

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