Data Sheet

30:1 Unequal Power Divider 5501.31.0015



Tapper

Description

This tapper unevenly splits high power cellular signals in the ratio 30:1 with minimal reflections or loss over the wireless bands in the range 350 - 2700 MHz (no coupling from 960 to 1710 MHz). The innovative asymmetric design ensures an excellent input VSWR and coupling flatness across the band.

The lightweight design allows easy attachment to a wall using the supplied bracket. Designed with only a few solder joints and an air dielectric, loss is minimized and reliability enhanced.

It supports public safety and cellular bands, as well as WiFi 2.4 GHz.



Technical Data

Electrical Data

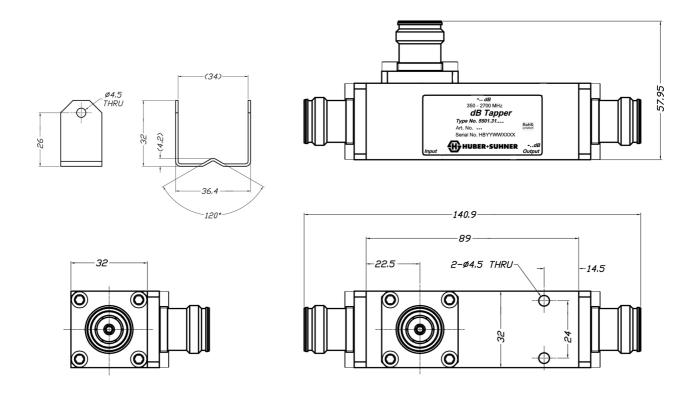
	Band 1	Band 2		
Frequency (GHz)	0.35 - 0.96	1.71 - 2.7		
Return Loss (dB)	20.8	20.8		
Tapp Loss (dB)	15	15		
Tapp Loss flatness +/- (dB)				
Insertion Loss (dB)	0.1	0.1		
Max. Composite Power (W)	300	300		
Peak Envelope Power (W)	2000	2000		
Intermodulation distortion (dBc)	-161	-161		
@ 2 x Carrier Power (dBm)	43	43		
	Main Line In	Main Line Out	Tap Port	
Port Designation	IN	OUT	15.1 dB	
Connector Type	4.3-10	4.3-10	4.3-10	
Gender	jack (female)	jack (female)	jack (female)	
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Char. impedance	50 Ω	,		
Char. impedance Mechanical Data				
	50 Ω	(Heigth x Width x Lengt		
Mechanical Data	50 Ω			
Mechanical Data Dimensions Weight	50 Ω 32 x 89 x 32 mm			
Mechanical Data Dimensions	50 Ω 32 x 89 x 32 mm 0.42 kg			
Mechanical Data Dimensions Weight Environmental Data	50 Ω 32 x 89 x 32 mm			
Mechanical Data Dimensions Weight Environmental Data Environmental conditions	50 Ω 32 x 89 x 32 mm 0.42 kg indoor/outdoor -40 °C to 75 °C -40 °C to 75 °C			
Mechanical Data Dimensions Weight Environmental Data Environmental conditions Operation temperature Storage temperature Transport temperature	50 Ω 32 x 89 x 32 mm 0.42 kg indoor/outdoor -40 °C to 75 °C -40 °C to 75 °C -40 °C to 75 °C			
Mechanical Data Dimensions Weight Environmental Data Environmental conditions Operation temperature Storage temperature Transport temperature IP rating	50 Ω 32 x 89 x 32 mm 0.42 kg indoor/outdoor -40 °C to 75 °C -40 °C to 75 °C -40 °C to 75 °C IP67			
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Mechanical Data Dimensions Weight Environmental Data Environmental conditions Operation temperature Storage temperature Transport temperature IP rating RoHS 2011/65/EU	50 Ω 32 x 89 x 32 mm 0.42 kg indoor/outdoor -40 °C to 75 °C -40 °C to 75 °C -40 °C to 75 °C IP67			

Related Documents





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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, AS/EN9100, ISO/TS 16949 and IRIS.

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