

4.8 dB Hybrid Coupler

7406.17.0002

Properties

- In DAS applications, all three outputs may be used to feed different cables, essentially providing lossless combining
- Any unused ports must be terminated in 50 Ohm at the appropriate power rating
- -161 dBc PIM @ 2x43 dBm
- N female interfaces
- Supports 694 - 800 MHz, 800 - 2500 MHz and 2500 - 2700 MHz



Ports		
Port designation	Interface	Gender
Input 1	N	jack (female)
Input 2	N	jack (female)
Input 3	N	jack (female)
Output 1	N	jack (female)
Output 2	N	jack (female)
Output 3	N	jack (female)

Electrical bands			
	Band 1	Band 2	Band 3
Frequency range	0.694 GHz ... 0.8GHz	0.8 GHz ... 2.5GHz	2.5 GHz ... 2.7GHz
Return loss	> 20 dB	> 20 dB	> 19 dB
Insertion loss	0.2 dB	0.2 dB	0.2 dB
Coupling	4.8 dB	4.8 dB	4.8 dB
Coupling flatness	+/- 1.3 dB	+/- 1 dB	+/- 1.3 dB
Isol. between input ports	25 dB	25 dB	23 dB
Isol. between output ports	25 dB	25 dB	23 dB
Composit power max	150 W	150 W	150 W
Peak envelope power	3000 W	3000 W	3000 W
Intermodulation distortion	< -161 dBc	< -161 dBc	< -161 dBc
@ 2 x carrier power	43 dBm	43 dBm	43 dBm

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Electrical Data (impedance)	
Characteristic impedance	50 Ω

Mechanical data	
Weight	1.1 kg
Width	81.4 mm
Height	37.6 mm
Depth	173.9 mm
Housing material and surface treatment	Aluminium / Passivated

Environmental data	
Environment (application)	Indoor
Operation temperature	-35 °C ... 65 °C
Storage temperature	-35 °C ... 65 °C
Transport temperature	-35 °C ... 65 °C
Ingress protection (IP Rating)	IP64

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