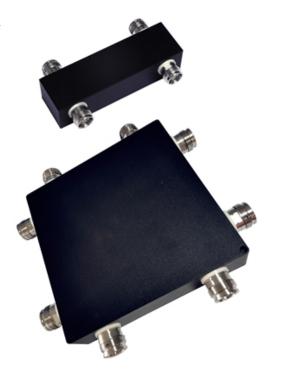
Broadband Hybrid Combiner for Wireless & Indoor Application, Support 555-6000MHz, 4X4

PRODUCT DESCRIPTION

RFS CDS*-Hybrid-43 series Hybrid Combiner have been designed for a variety of wireless applications in the frequency band from 555 to 6000MHz. This series contains 2 product types: 2 by 2 and 4 by 4. The 2 by 2 Hybrid Combiner is four-port directional coupler which equally combines two wireless signals and transfers the combined signal to two output ports whilst the 4 by 4 Hybrid Combiner which equally combines four wireless signals and transfers the combined signal to four output ports. The broad frequency range is ideally suited for multi-band distributed antenna systems or in combination with RADIAFLEX® radiating cables.

FEATURES / BENEFITS

- · Broadband 555MHz-6000MHz
- 4.3-10-female interfaces
- PIM optimized design (163dBc @ 2x43dBm)
- Ideal for all kind of DAS applications
- · Low insertion loss
- · High power handling
- Small size, low weight



TECHNICAL FEATURES

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	555-6000	
Power Rating	W	200	
PIM 3rd @2*43 dBm	dBc	163	
Input Impedance	Ohm	50	

MECHANICAL SPECIFICATIONS

Connectors		4.3-10 Female	
Temperature Range	°C	-25 to +65	
IP Level		IP66	
RoHS		Compliant	

CDS4x4-43-555/6000 REV : P1 REV DATE : 04 Aug 2021 **www.rfsworld.com**



Broadband Hybrid Combiner for Wireless & Indoor Application, Support 555-6000MHz, 4X4

MODEL NUMBER SPECIFICATIONS						
Model Number		CDS2x2-43-555/6000	CDS4x4-43-555/6000			
VSWR		1.25	1.3			
PIM 3rd @2*43 dBm	dBc	163	163@700&1.8GHz, 160@3.5GHz			
Coupling Tolerance	dB	3.1dB ±1.1dB@0.555-0.65GHz 3.1dB ±0.8dB@0.65-6GHz	6.2dB ±1.5dB@0.617-5.95GHz 6.2dB ±2dB@0.555-0.617GHz 6.2dB ±2dB@5.95-6GHz			
Indiation	al D	20dB@0.555-2.7GHz	104000 555 6611-			

21dB@2.7-6GHz 145*79*36

(5.71*3.11*1.42)

0.56(1.23)

dΒ

mm (in)

kg (lb)

External Document Links

Dimensions, L*W*H

Net Weight, ±10%

Notes

19dB@0.555-6GHz

239*239*35

(9.4*9.4*1.38)

1.36(3)

LINK to VEX FILES

Isolation

www.rfsworld.com CDS4x4-43-555/6000 REV: P1 REV DATE: 04 Aug 2021