

D33xxx14-V02
Directional Coupler N / 4.3-10
PIM -150dBc
698-3800



Directional Coupler 690-3800

Preliminary

Type	N Female	D3330514-v02	D3330614-v02	D3330714-v02	D3330814-v02
	4.3-10 Female	D3310514-v02	D3310614-v02	D3310714-v02	D3310814-v02
Coupling Value (dB)		5	6	7	8
Coupling Bias (dB)		±0.8	±0.8	±0.8	±0.8
Insertion Loss (dB)		≤2.15	≤1.76	≤1.47	≤1.15
Isolation (dB)		≥23	≥24	≥25	≥26

Type	N Female	D3331014-v02	D3331314-v02	D3331514-v02	D3332014-v02
	4.3-10 Female	D3311014-v02	D3311314-v02	D3311514-v02	D3312014-v02
Coupling Value (dB)		10	13	15	20
Coupling Bias (dB)		±1.0	±1.0	±1.0	±1.0
Insertion Loss (dB)		≤0.96	≤0.96	≤0.44	≤0.34
Isolation (dB)		≥28	≥31	≥33	≥38

Type	N Female	D3333014-v02	D3334014-v02		
	4.3-10 Female	D3313014-v02	D3314014-v02		
Coupling Value (dB)		30	40		
Coupling Bias (dB)		±1.5	±1.5		
Insertion Loss (dB)		≤0.3	≤0.3		
Isolation (dB)		≥48	≥55		

Electrical Specifications

Frequency Range (MHz)	698-3800
Impedance (Ω)	50
Return Loss (dB)	> 19
IM3 (dBc, @2x43dBm)	≤ -150
Max. Power Rating (W)	300
Peak Power (W)	N: 800 4.3-10: 1,500

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Mechanical and Environmental Specifications

Dimension (mm) (excluding connector and bracket)	126 x 45 x 25	
Weight (kgs) (including connector and bracket)	N: 0.53	4.3-10: 0.54
Colour	Light Grey	
Mounting	Wall Mount with Bracket	
Operating Temp (°C)	-25 to +65	
Ingress Protection Class	IP65	
Packing Dimension (mm)	180 x 100 x 55	
SKU (unit per box)	40 pcs per inner carton	

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(D)443YY260

