

D3x3xx14-V03
Directional Coupler N 300W
PIM -160 / -155 / -150 / -140dBc
698-4000



Directional Coupler 690-4000 N					<i>Preliminary</i>
Type	PIM ≤ -160dBc	D3130514-v03	D3130614-v03	D3130714-v03	D3130814-v03
	PIM ≤ -155dBc	D3230514-v03	D3230614-v03	D3230714-v03	D3230814-v03
	PIM ≤ -150dBc	D3330514-v03	D3330614-v03	D3330714-v03	D3330814-v03
	PIM ≤ -140dBc	D3430514-v03	D3430614-v03	D3430714-v03	D3430814-v03
Coupling Value (dB)		5	6	7	8
Coupling Bias (dB)		±0.6	±0.6	±0.6	±0.8
Insertion Loss (dB)		≤2.05	≤1.76	≤1.47	≤1.40
Isolation (dB)		≥23	≥24	≥25	≥26

Type	PIM ≤ -160dBc	D3131014-v03	D3131314-v03	D3131514-v03	D3132014-v03
	PIM ≤ -155dBc	D3231014-v03	D3231314-v03	D3231514-v03	D3232014-v03
	PIM ≤ -150dBc	D3331014-v03	D3331314-v03	D3331514-v03	D3332014-v03
	PIM ≤ -140dBc	D3431034-v03	D3431314-v03	D3431514-v03	D3432014-v03
Coupling Value (dB)		10	13	15	20
Coupling Bias (dB)		±0.8	±1.0	±1.0	±1.0
Insertion Loss (dB)		≤0.96	≤0.78	≤0.44	≤0.34
Isolation (dB)		≥28	≥31	≥33	≥38

Type	PIM ≤ -160dBc	D3133014-v03	D3134014-v03		
	PIM ≤ -155dBc	D3233014-v03	D3234014-v03		
	PIM ≤ -150dBc	D3333014-v03	D3334014-v03		
	PIM ≤ -140dBc	D3433014-v03	D3434014-v03		
Coupling Value (dB)		30	40		
Coupling Bias (dB)		±1.5	±1.8		
Insertion Loss (dB)		≤0.3	≤0.25		
Isolation (dB)		≥45	≥55		

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Frequency Range (MHz)	698-4000	
Impedance (Ω)	50	
VSWR	≤ 1.25	
IM3 (dBc, @2x43dBm)	See Type Number Selection Table	
Power Rating (W)	300 (Max)	1,200 (Peak)

Material	Aluminum (Body)	Brass (Connector)
Connector Plating	Silver (Inner Contact)	Tri-metal (Outer Contact)
Connector	N Female	
Colour	Light Grey	
Mounting	Wall Mount	
Operating Temp ($^{\circ}\text{C}$)	-40 to +80	
Ingress Protection Class	IP65	
Dimension (mm)	140 x 42 x 21 (excluding connectors)	

(C) YOP1581DEOW

