

D3x1xx24-V03
Directional Coupler 4.3-10 500W
PIM -160 / -155 / -150 / -140dBc
698-4000



Directional Coupler 690-4000 4.3-10

Preliminary

Type	PIM ≤ -160dBc	D3110524-v03	D3110624-v03	D3110724-v03	D3110824-v03
	PIM ≤ -155dBc	D3210524-v03	D3210624-v03	D3210724-v03	D3210824-v03
	PIM ≤ -150dBc	D3310524-v03	D3310624-v03	D3310724-v03	D3310824-v03
	PIM ≤ -140dBc	D3410524-v03	D3410624-v03	D3410724-v03	D3410824-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	D3111024-v03	D3111324-v03	D3111524-v03	D3112024-v03
	PIM ≤ -155dBc	D3211024-v03	D3211324-v03	D3211524-v03	D3212024-v03
	PIM ≤ -150dBc	D3311024-v03	D3311324-v03	D3311524-v03	D3312024-v03
	PIM ≤ -140dBc	D3411024-v03	D3411324-v03	D3411524-v03	D3412024-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	D3113024-v03	D3114024-v03		
	PIM ≤ -155dBc	D3213024-v03	D3214024-v03		
	PIM ≤ -150dBc	D3313024-v03	D3314024-v03		
	PIM ≤ -140dBc	D3413024-v03	D3414024-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)	500 (Max)	1,200 (Peak)

Material	Aluminum (Body)	Brass (Connector)
Connector Plating	Silver (Inner Contact)	Tri-metal (Outer Contact)
Connector	4.3-10 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 29 (excluding connectors)	

(C) YQP1581DEOW

