

**D3x5xx34-V03**  
**Directional Coupler 7/16 700W**  
**PIM -160 / -155 / -150 / -140dBc**  
**698-4000**



**Directional Coupler 690-4000 7/16**

*Preliminary*

<b>Type</b>	<b>PIM ≤ -160dBc</b>	<b>D3150534-v03</b>	<b>D3150634-v03</b>	<b>D3150734-v03</b>	<b>D3150834-v03</b>
	<b>PIM ≤ -155dBc</b>	<b>D3250534-v03</b>	<b>D3250634-v03</b>	<b>D3250734-v03</b>	<b>D3250834-v03</b>
	<b>PIM ≤ -150dBc</b>	<b>D3350534-v03</b>	<b>D3350634-v03</b>	<b>D3350734-v03</b>	<b>D3350834-v03</b>
	<b>PIM ≤ -140dBc</b>	<b>D3450534-v03</b>	<b>D3450634-v03</b>	<b>D3450734-v03</b>	<b>D3450834-v03</b>
Coupling Value (dB)	5	6	7	8	
Coupling Bias (dB)	±0.6	±0.6	±0.6	±0.6	±0.8
Insertion Loss (dB)	≤2.05	≤1.76	≤1.47	≤1.47	≤1.40
Isolation (dB)	≥23	≥24	≥25	≥25	≥26

<b>Type</b>	<b>PIM ≤ -160dBc</b>	<b>D3151034-v03</b>	<b>D3151334-v03</b>	<b>D3151534-v03</b>	<b>D3152034-v03</b>
	<b>PIM ≤ -155dBc</b>	<b>D3251034-v03</b>	<b>D3251334-v03</b>	<b>D3251534-v03</b>	<b>D3252034-v03</b>
	<b>PIM ≤ -150dBc</b>	<b>D3351034-v03</b>	<b>D3351334-v03</b>	<b>D3351534-v03</b>	<b>D3352034-v03</b>
	<b>PIM ≤ -140dBc</b>	<b>D3451034-v03</b>	<b>D3451334-v03</b>	<b>D3451534-v03</b>	<b>D3452054-v03</b>
Coupling Value (dB)	10	13	15	20	
Coupling Bias (dB)	±0.8	±1.0	±1.0	±1.0	±1.0
Insertion Loss (dB)	≤0.96	≤0.78	≤0.44	≤0.44	≤0.34
Isolation (dB)	≥28	≥31	≥33	≥33	≥38

<b>Type</b>	<b>PIM ≤ -160dBc</b>	<b>D3153034-v03</b>	<b>D3154034-v03</b>		
	<b>PIM ≤ -155dBc</b>	<b>D3253034-v03</b>	<b>D3254034-v03</b>		
	<b>PIM ≤ -150dBc</b>	<b>D3353034-v03</b>	<b>D3354034-v03</b>		
	<b>PIM ≤ -140dBc</b>	<b>D3453034-v03</b>	<b>D3454034-v03</b>		
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 ( $\Omega$ )	50	
VSWR	$\leq 1.25$	
IM3 (dBc, @2x43dBm)	See Type Number Selection Table	
Power Rating (W)	700 (Max)	2,000 (Peak)

Material	Aluminum (Body)	Brass (Connector)
Connector Plating	Silver (Inner Contact)	Tri-metal (Outer Contact)
Connector	7/16Female	
Colour	Light Grey	
Mounting	Wall Mount	
Operating Temp ( $^{\circ}\text{C}$ )	-40 to +80	
Ingress Protection Class	IP65	
Dimension (mm)	140 x 45 x 35 (excluding connectors)	

(C) YEP1581DEOW

