

**D1x5xx34-V02**  
**Directional Coupler 7/16**  
**PIM -160 / -155 / 150 dBc**  
**698-2700**



**Directional Coupler 690-2700 (Screw-in) *Preliminary***

Type	PIM ≤ -150dBc	D1350534-v02	D1350634-v02	D1350734-v02	D1350834-v02
	PIM ≤ -155dBc	D1250534-v02	D1250634-v02	D1250734-v02	D1250834-v02
	PIM ≤ -160dBc	D1150534-v02	D1150634-v02	D1150734-v02	D1150834-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	≤1.17
Isolation (dB)		≥23	≥24	≥25	≥26

Type	PIM ≤ -150dBc	D1351034-v02	D1351334-v02	D1351534-v02	D1352034-v02
	PIM ≤ -155dBc	D1251034-v02	D1251334-v02	D1251534-v02	D1252034-v02
	PIM ≤ -160dBc	D1151034-v02	D1151334-v02	D1151534-v02	D1152034-v02
Coupling Value (dB)		10	13	15	20
Coupling Bias (dB)		±1.0	±1.0	±1.0	±1.0
Insertion Loss (dB)		≤0.96	≤0.66	≤0.44	≤0.34
Isolation (dB)		≥28	≥31	≥33	≥38

Type	PIM ≤ -150dBc	D1353034-v02	D1354034-v02		
	PIM ≤ -155dBc	D1253034-v02	D1254034-v02		
	PIM ≤ -160dBc	D1153034-v02	D1154034-v02		
Coupling Value (dB)		30	40		
Coupling Bias (dB)		±1.5	±1.5		
Insertion Loss (dB)		≤0.3	≤0.3		
Isolation (dB)		≥48	≥55		

<b>Electrical Specifications</b>	
Frequency Range (MHz)	698-2700
Impedance (Ω)	50
Return Loss (dB)	> 19
IM3 (dBc, @2x43dBm)	See Above Type Number Selection Table
Connector Type	7/16 (Screw-in)
Max. Power Rating (W)	700
Peak Power (W)	2,000

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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)	0.55
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

(D)413YY260  
(D)613YY260  
(D)813YY260

