

DIRECTIONAL CAVITY COUPLER

Model: CP300-xN

- Wide-band design, 698-2700MHz
- Low PIM
- Compact size and light weight
- Easy to be installed
- Suitable for indoor and outdoor applications



Technical Data

Electrical Specifications

Product No.	CP300-5N	CP300-6N	CP300-7N	CP300-8N	CP300-10N
Coupling Value (dB)	5	6	7	8	10
Coupling Tolerance (dB)	±0.8	±0.8	±0.8	±0.8	±1.0
Insertion Loss (dB)	< 2.15	< 1.76	< 1.47	< 1.17	< 0.96
Isolation (dB)	> 23	> 24	> 25	> 26	> 28
Product No.	CP300-13N	CP300-15N	CP300-20N	CP300-30N	
Coupling Value (dB)	13	15	20	30	
Coupling Tolerance (dB)	±1.0	±1.0	±1.0	±1.5	
Insertion Loss (dB)	< 0.66	< 0.44	< 0.34	< 0.3	
Isolation (dB)	> 31	> 33	> 38	> 48	
Frequency Range (MHz)	698-2700				
Return Loss (dB)	≥19				
PIM3 (@2x43 dBm Carrier) (dBc)	< -150				
Input Power (W)	< 300				
Impedance (Ω)	50				

Mechanical Specifications

Dimensions (excluding connectors and mounting bracket) (mm)	121x43x25
Weight (including connectors and mounting bracket) (kg)	0.4
Connector Type	N-Female
Color	
Mounting	Wall Mounted

Environmental Specifications

Operational Temperature (°C)	-25 to +65
Operational Humidity (%)	< 95
Ingress Protection Class	IP65(Indoor and Outdoor)