

# Directional Coupler



Directional Coupler, 340-2700 MHz, -160 dBc, N Female

DC-3427-xx-160-NF

- Wide-band design, cover 340-2700MHz
- Application: Indoor/Outdoor Low PIM
- Interface: N Female
- Color: Light Gray
- Compact size and light weight, Easy to be installed



## General Specifications

<b>Electrical Specifications</b>					
Part Number	DC-3427-05-160-NF	DC-3427-06-160-NF	DC-3427-07-160-NF	DC-3427-08-160-NF	DC-3427-10-160-NF
Coupling Value (dB)	5	6	7	8	10
Coupling Tolerance (dB) @340-550MHz	±1.3	±1.3	±1.3	±1.5	±1.5
Coupling Tolerance (dB) @550-2700MHz	±1.0	±1.0	±1.0	±1.2	±1.2
Insertion Loss (dB)	< 2.4	< 1.9	< 1.6	< 1.2	< 0.8
Isolation (dB)	> 25	> 26	> 27	>28	> 30
Part Number	DC-3427-13-160-NF	DC-3427-15-160-NF	DC-3427-20-160-NF	DC-3427-30-160-NF	
Coupling Value (dB)	13	15	20	30	
Coupling Tolerance (dB) @340-550MHz	±1.5	±1.5	±1.7	±1.8	
Coupling Tolerance (dB) @550-2700MHz	±1.3	±1.3	±1.4	±1.4	
Insertion Loss (dB)	< 0.5	< 0.4	< 0.3	< 0.3	
Isolation (dB)	> 33	> 35	> 40	> 50	
Frequency Range (MHz)	340-2700				
Return Loss (dB)	≥19				
PIM3 (@2x43 dBm Carrier) (dBc)	< -160				
Input Power (W)	< 300				
Peak Power (W)	< 800				
Impedance (Ω)	50				

<b>Mechanical Specifications</b>	
Connectors	N Female
Dimensions,HxWxD(excluding connectors and mounting bracket)(mm)	178x47.3x27
Weight (including connectors and mounting bracket) (kg)	0.57
Packing Size(mm)	270x75x40(20pcs/box)
Color	Light Gray(customizable)
Mounting	Wall Mounted
<b>Environmental Specifications</b>	
Operational Temperature (°C)	-40 to +65
Operational Humidity (%)	≤95
Ingress Protection Class	IP66 (IP67optional)

Simplified dimensional drawing

