

Technical Data Sheet

DIRECTIONAL COUPLER

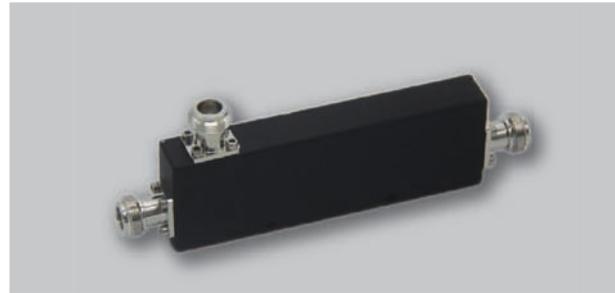
COSMOS RF – DC - 627 -- NF5**

Product Name

Directional Coupler (800-2700MHz, 200W, N-F, -150dBc)

Product Features

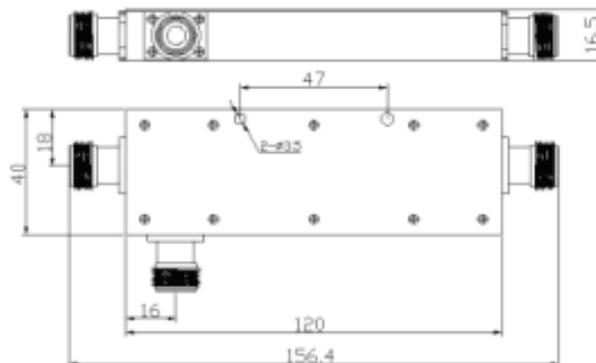
- ◆ Wide Frequency Band 800-2700MHz
- ◆ Low Passive Intermodulation (-150dBc)
- ◆ Low VSWR & Insertion Loss
- ◆ High Isolation, Outdoor IP52
- ◆ Widely used for In-building Solutions



Technical & Mechanical Specifications

Model No.	DC-627-03-NF-5	DC-627-05-NF-5 DC-627-06-NF-5	DC-627-07-NF-5 DC-627-08-NF-5	DC-627-10-NF-5	DC-627-13-NF-5 DC-627-15-NF-5	DC-627-20-NF-5	DC-627-25-NF-5
Freq (MHz)	800-2700						
Coupling (dB)	3	5/6	7/8	10	13/15	20	25
IL (dB)	≤3.7	≤2.15/≤1.76	≤1.47/≤1.3	≤0.96	≤0.7/≤0.44	≤0.34	≤0.3
Accuracy (dB)	±0.7	±0.8/±0.8	±0.8/±0.8	±1.0	±1.0/±1.0	±1.25	±1.25
Isolation (dB)	≥21	≥23/≥24	≥25/≥28	≥28	≥31/≥33	≥38	≥45
VSWR	≤1.25						
PIM (dBc)	≤-150dBc@2*43dBm						
Power (W)	200 (average)						
Impedance	50 ohm						
Connector	N-female						
Color	Black						
Temp (deg)	-30~+65						
Dimensions	120mm*40mm*16.5mm						
Type of screw	Hexagonal Type						

Mechanical Drawing



COSMOS RF TECHNOLOGIES, LP

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