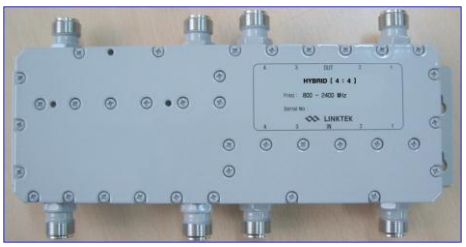
Product Catalog
Hybrid Coupler







LINKTEK

INDEX

Model Name

◈ 3dB Hybrid Coupler , 800 ~ 2500 MHz

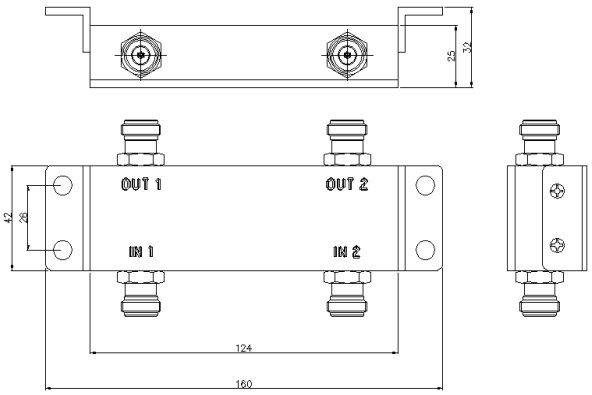
◈ 7/16 DIN 3dB Hybrid Coupler , 800 ~ 2500 MHz

◈ 4x4 High Power Hybrid , 800 ~ 2500 MHz

Product Specifications

3dB Hybrid Coupler , 800 ~ 2500 MHz





CHARACTERISTICS **DIMENSION(Unit : mm)**

General Specifications

Device Type	Hybrid
Interface	N Female

Electrical Specifications

Operating Frequency Band	800 ~ 2500 MHz
Impedance	50 ohm
Return Loss	20 dB
VSWR	1.2 : 1
Coupling	3.1 dB
Coupling Tolerance	±0.4 dB
Isolation	20 dB
3rd Order IMD	-140 dBc (relative tocarrier)
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	50 W
Peak Power, maximum	1 kW
Reflected Power, maximum	50 W
Operating Temperature / Humidity	-30℃ to +60 °C / Up to 95%

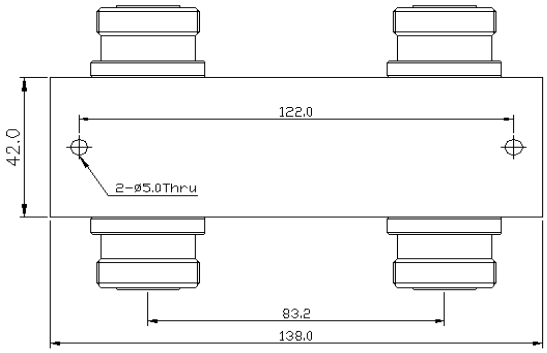
Mechanical Specifications

Inner Contact Plating	Silver
Outer Contact Plating	SUCO
Ingress Protection Test Method	IEC 60529:2001, IP65

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Product Specifications

7/16 DIN 3dB Hybrid Coupler , 800 ~ 2700 MHz



DIMENSION(Unit : mm)

General Specifications

Device Type	Hybrid
Interface	7/16 DIN Female

Electrical Specifications

Operating Frequency Band	800 ~ 2700 MHz
Impedance	50 ohm
Return Loss	20 dB
VSWR	1.2 : 1
Coupling	3.1 dB
Coupling Tolerance	±0.5 dB
Isolation	20 dB
3rd Order IMD	-140 dBc (relative tocarrier)
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	50 W
Peak Power, maximum	1 kW
Reflected Power, maximum	50 W
Operating Temperature / Humidity	-30℃ to +60 °C / Up to 95%

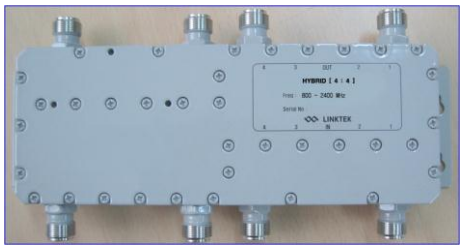
Mechanical Specifications

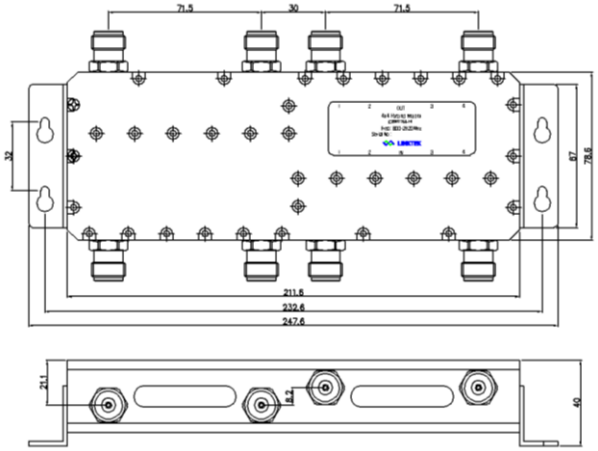
Inner Contact Plating	Silver
Outer Contact Plating	SUCO
Ingress Protection Test Method	IEC 60529:2001, IP65

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Product Specifications

4x4 High Power Hybrid , 800 ~ 2500 MHz





CHARACTERISTICS **DIMENSION(Unit : mm)**

General Specifications

Device Type	Hybrid
Interface	N Female

Electrical Specifications

Operating Frequency Band	800 ~ 2500 MHz
Impedance	50 ohm
Return Loss	19.1 dB
VSWR	1.25 : 1
Coupling	6.2 dB
Coupling Tolerance	±0.8 dB
Isolation	20 dB
3rd Order IMD	-140 dBc (relative tocarrier)
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power, maximum	50 W
Peak Power, maximum	1 kW
Reflected Power, maximum	50 W
Operating Temperature / Humidity	-30℃ to +60 ℃ / Up to 95%

Mechanical Specifications

Inner Contact Plating	Silver
Outer Contact Plating	SUCO
Ingress Protection Test Method	IEC 60529:2001, IP65

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