

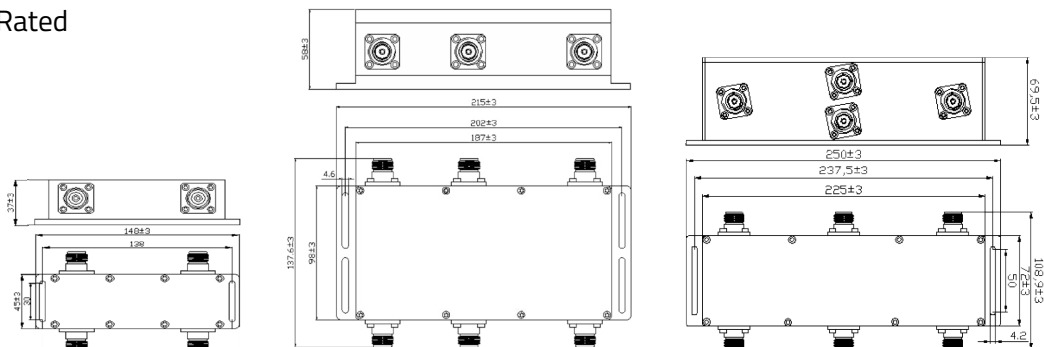
Hybrid Coupler (2x2, 3x3, 4x4)

by WAVEFORM

SKU: HYCPL640NF-XxX

Main Features:

- 600-4000 MHz
- ≥ 18 dB Isolation
- N-Female Connectors
- Indoor/Outdoor IP65 Rated



Specifications:

Electrical:

SKU	HYCPL640NF-2x2	HYCPL640NF-3x3	HYCPL640NF-4x4
# of Paths	2x2	3x3	4x4
Frequency Range	600-4000 MHz		
Input Impedance	50 Ω		
Coupling Factor	≤ 3.1 dB	≤ 4.8 dB	≤ 6.2 dB
Insertion Loss	3.1 \pm 1.2 dB	5.2 \pm 2.0 dB	6.2 \pm 2 dB
Isolation	≥ 22 dB	≥ 18 dB	≥ 18 dB
VSWR	≤ 1.35	≤ 1.50	≤ 1.50
PIM (IM3)	≤ -153 dBc @ +2*43 dBm*2		
Phase Shift	90 deg	90 deg	90 deg
Power Rating (Avg.)	200 W		

Environmental:

Applied Environment	Indoor / Outdoor
Protection Class	IP65
Relative Humidity	5 to 95 %
Operating Temp.	-35 to +85 deg C

Mechanical:

SKU	HYCPL640NF-2x2	HYCPL640NF-3x3	HYCPL640NF-4x4
Connector Type	N-Female		
Connector Material	Nickel plated Copper		
Cavity Color	Black		
Cavity Material	Passivated Aluminum		
Inner Conductor Material	Copper		
Dimensions	150 x 90 x 37 mm	215 x 137 x 58 mm	250 x 109 x 70 mm
Net Weight	0.95 kg	1.52 kg	2.10 kg



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