

HYBRID COUPLERS/COMBINERS

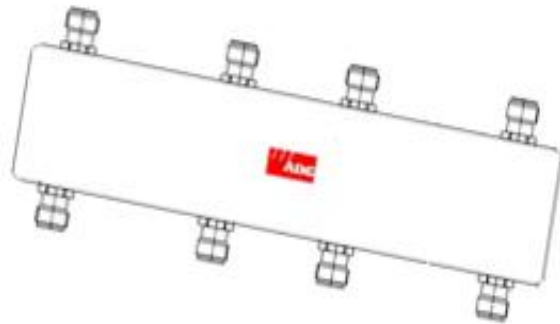
Broadband, Low loss, High Isolation, Low PIM
800 – 2500 MHz

ADC Krone offers broadband, low loss, low PIM, high power, low cost, quality and reliable Hybrid Couplers/Combiners in 2x2 and 4x4 configurations for combining multiple RF signal sources in same frequency band onto common path for effective antenna sharing applications, TX/RX applications and Repeater applications.

These Hybrid Couplers/Combiners are designed to cover cellular and wireless communication frequency bands such as CDMA, GSM900, GSM1800, 3G/UMTS and WLAN.



2x2 HYBRID COUPLER/COMBINER



4x4 HYBRID COUPLER/COMBINER

SPEC SHEET

Features:

- Configurations – 2x2 Hybrid & 4x4 Hybrid
- Low loss
- Broadband Cellular coverage
- Low VSWR and High Isolation
- Low PIM and robust design
- Indoor/Outdoor applications

Applications:

- In-Building applications.
- Antenna feeds.
- Balanced amplifier configurations.
- Mobile communication.
- Switching networks.



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Specifications

Hybrid Type	2x2 Hybrid Coupler	4x4 Hybrid Coupler
Frequency range	800 – 2500 MHz	
Split loss (dB)	3.2	6.2
Insertion loss (dB)	± 0.6	± 0.6
VSWR	1.25:1	
Average Power (W)	100	
PIM (3rd Order 2x43dBm)	150dBc	
Impedance (Ohms)	50	
Temperature range (C)	-20° to +70°	
Connectors	N-Female	
IP rating	IP65	

SPEC SHEET

Ordering Information

Description	Product No.
2X2 Broadband Hybrid Coupler/Combiner	ADC-BHC-825N22
4X4 Broadband Hybrid Coupler/Combiner	ADC-BHC-825N44

NOTE: Other configurations are available upon request. Please contact ADC Krone for more details.



KRONE



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