

Network Combiner

4X4 Hybrid Matrix, Combiner & Splitter, 800-2200MHz, N & 7/16 Din-Connectors



- Connects 4 input to 4 output for shared system
- High Isolation, low VSWR
- High Average power rating
- Low PIM
- High reliability
- N or Din female connectors



The hybrid is a matrix of four 3dB hybrid couplers arranged. Signals applied to any of four input port will be split equally between four output ports. Because of symmetry, multiple signals in the same wireless band can be combined to common feeder cable, as might be required in a system shared in-building distributed antenna system. Unused ports must be terminated externally in 50ohm.

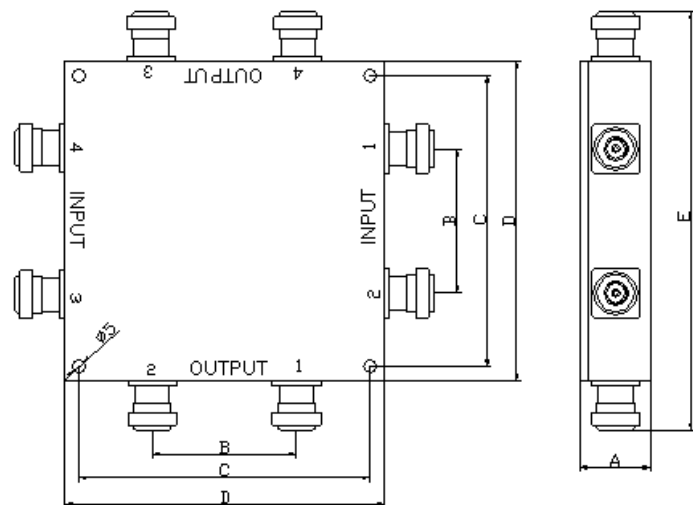
The hybrid provides excellent isolation in the wireless bands and minimize passive intermodulation(PIM). All of them are moisture sealed for outside applications. They are conformance to Ip65 specification.

Impedance: 50 ohm, nominal
 Temperature Range, C -25° to +75°
 Environment: IP65, RoHS compliant
 PIM, Passive IM:: -140dBc, 2X43dBm
 Finish:
 Housing: Passivated Aluminum or powder paint
 Connectors: N (f), 7/16 Din tri-plate
 PIM < -150dBc to special order

Part Number		Frequency	Coupling	Isolation	Input	Input Power per Input		Weight
N conn	7/16 Din conn	Range, MHz	dB	dB	VSWR	Avg, Watts	Peak, Watts	kg
BXH-4X4-NA	None	800-960	6.1±0.4	>30	<1.10:1	100	3K	1.1
BXH-4X4-NB	None	1700-2200	6.1±0.4	>30	<1.10:1	100	3K	1.1
BXH-4X4-NC	BXH-4X4-DC	800-2200	6.2±0.5	>25	<1.20:1	60	3K	1.7(N)/3.1(DIN)

Dimensions, mm

Drawing	A	B	C	D	E
BXH-4X4-NA	25.4	52	105	115	151
BXH-4X4-NB	25.4	52	105	115	151
BXH-4X4-NC	25.4	85	137	147	183
BXH-4X4-DC	36	85	144	154	196



All Specifications are subject to change without prior notice.