

3dB Hybrid Coupler/Combiner
800-960MHz, N & 7/16 Din-Connectors, 35dB Isolation, Minimum



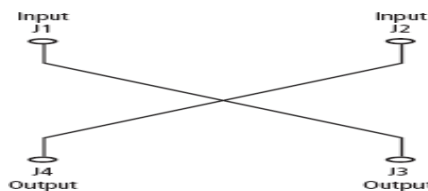
- 200Watt Average Power Rating
- 35dB Isolation, Min
- Minimal RF Insertion Loss
- High Reliability
- Low Passive Intermodulation (PIM)
- Environment IP65
- N & 7/16 Din Female Connectors



The BXH series of 3dB Hybrid Couplers is designed to meet the special requirement of wireless market. It can combine two channels from different service supplier to a single antenna or distribution cable. This requires the termination of one output port in the 50 ohm and results in a 3dB loss in each signal. In situations where two similar feeds are required, for example an in-building application, both outputs may be used, eliminating the need for a termination and the 3dB loss. All of them are conformance to IP65 specification.

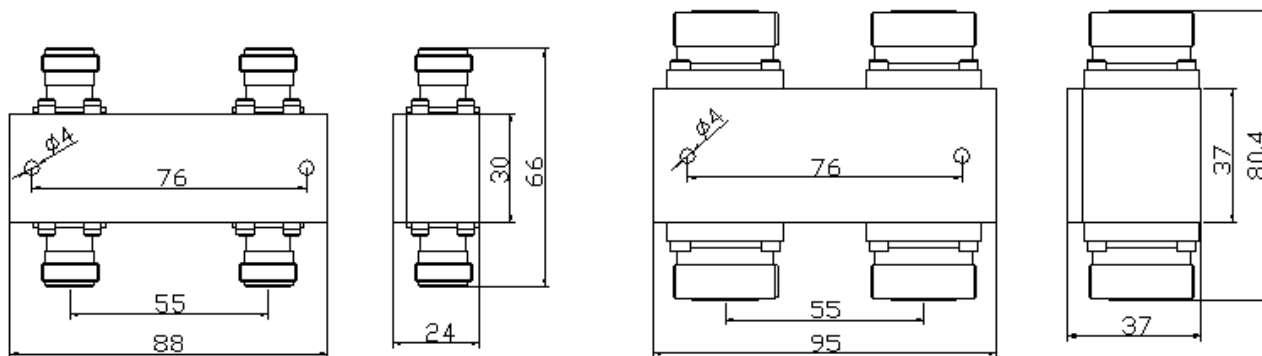
These devices allow use with antennas and leaky cable systems and wireless base stations.

VSWR: 1.20:1 Max. All Ports
 Coupling: 3dB, nominal
 Coupling Variation: $\pm 0.3\text{dB}$
 PIM, Passive IM: -140dBc, 2x43dBm
 Impedance: 50 ohm, nominal
 Temperature Range, C: -25° to $+75^{\circ}$
 Environment: IP65, RoHS compliant
 Housing: Passivated Aluminum or powder paint
 Connectors: N (f), 7/16 Din tri-plate
 DC capability: DC transmission only between cross ports



PN.	Frequency Range, MHz	Input Isolation dB Min.	Insertion Loss dB Max.	Power Rating W Avg.	Weight g.
BXH-3-NFE	800~960	35	0.2	200	230
BXH-3-DFE	800~960	35	0.2	200	640

Dimensions, mm



BXH- 3-NFE

BXH- 3-DFE

All Specifications are subject to change without prior notice