

Hybrid Couplers

Hybrid couplers split the input signal between two output ports, or combine two signals whilst maintaining high isolation between them.

Branch feeder cables, water-proofing, bird proofing and other installation accessories are all available separately.

Specifications	HBC3	HBC6
Construction	Painted aluminium	
Frequency Range	UHF 400-570MHz	UHF 400-570MHz
Coupling	3 dB	6 dB
Coupling Ratio (%)	50/50	75/25
Unbalanced*	0.5 dB	0.5 dB
Phase Balance	5 degrees	5 degrees
Return Loss, VSWR	Better than -22 dB, <1.15:1	
Insertion Loss (Maximum)*	0.7 dB	0.5 dB
Isolation (Minimum)	25 dB	25 dB
Power Handling (50C)	200 Watts	200 Watts
Intermodulation Product	≤ -140 dBc (2 x 43 dBm)	
Connectors	N-female	N-female
Dummy Load (supplied)	N-male (5 Watts)	N-male (5 Watts)
Dimensions	184mm long x 60mm wide x 40mm high	
Weight	450 grams	450 grams

* Unbalanced - specifies the maximum coupling loss variation within the specified operating range.

* Insertion Loss - is the actual dissipated and reflected loss. It does not include coupling loss.

