

UHF hybrid couplers

Broadband compact N-type female jack terminated UHF /TE.T.RA 400-570MHz

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

Filters, combiners, antennas, branch feeder cables, and other installation accessories are all available separately.



SKU	HBC3	HBC6
Construction	Powdercoat finish aluminium outer case, nickel plated terminations and heat-sink type load - specify colour requirements	
Frequency range	400-570 MHz - UHF	
Coupling	3 dB	6 dB
Coupling ratio (%)	50/50	75/25
Unbalanced*	0.5 dB	
Phase balance	5 degrees	
VSWR	<1.15:1	
Insertion loss - maximum*	0.7 dB	0.5 dB
Isolation - minimum	25dB	
Power Handling at 50°C	200 Watts	
Intermodulation product	≤ -140 dBc (2 x 43 dBm)	
Connectors	4 x N-type female	
Dummy load - supplied	N-type male - 5W capable	
Dimensions	Length: 184mm, Width: 60mm, Height: 40mm	
Weight	450grams	



* 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.