

### Proposal to Telefonica

- ◆ Broad Frequency Band
- ◆ 160W Power Combiner
- ◆ High Isolation
- ◆ Low VSWR and loss
- ◆ High Reliability,
- ◆ Moisture sealed
- ◆ Convenient connector spacing



Microlab Model CA-H70, is based on catalog model CA-84N. This 4 port Hybrid Coupler is designed to meet the special needs of the wireless market, commonly being used to combine two wireless carriers with powers up to 80W, in the band to a single antenna feed. Isolation is maximized while passive intermodulation (PIM) is minimized.

This special model is painted to ensure performance in an IP65 environment. (06/11)

Impedance:	50Ω nominal
Environment:	-35 to +65°C, IP65
Finish:	RoHS compliant
Housing:	Passivated aluminum
Connectors:	N (f) Triplate

Model Number	Nominal Coupling	Frequency Range, MHz	Isolation dB	VSWR Max	Sensitivity dB	Dissipative Loss, dB	Guaranteed †PIM	Max. Power Avg. Peak
CA-H70	3 dB	698 - 2,700	>30	1.20:1	±0.40dB	<0.2 dB	<-150 dBc †2 tone test at +43 dBm	160W 1.5 kW

