

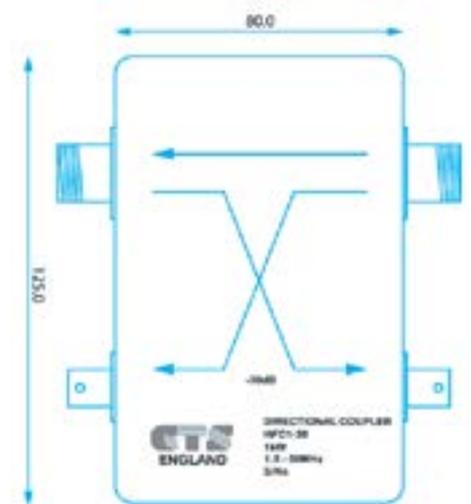
HFC1-30 - 1kW HF Directional Coupler

The HFC1-30 is a high-performance wideband directional coupler designed for the HF frequency band, offering superior functionality in a compact form.

By leveraging advanced ferrite transformer technology, it is optimised for both permanent installations and field measurements.

This coupler features output samples for both forward and reverse power flow, functioning as an efficient dual coupler. It ensures precise readings while keeping the reverse signal independent from the load on the forward port. Additionally, integrated load resistors effectively dissipate any unterminated coupled power, ensuring stable and reliable operation.

Combining affordability with a space-saving design, the HFC1-30 is the perfect solution for those seeking a dependable, high-quality directional coupler for HF applications. Improve your signal management with this versatile and cost-effective device.



Spec	HFC1-30 - 1kW HF Directional Coupler
Connectors	Main line 'N' Female. Coupled line 'BNC' Female
Coupling Ratio	-30 dB +/- 0.5 dB
Forward/Reverse Discrimination	>30 dB
Frequency	2 - 50MHz Full specification*
Insertion Loss	<0.1 dB
Max VSWR	2.5:1
Power Rating	1kW continuous. 2.5kW peak
Return Loss (Matched Load)	26.5 dB
Notes	N.B. at 1kW the forward output signal is 1 Watt. *The coupler is effective over a very much wider frequency range with a small degradation in performance. Calibration charts can be supplied for those out of band frequencies, where for example, measurement of harmonics is desired.

