

HFC10-26 - 10kW HF Directional Coupler

The HFC10-26 is a premium wideband directional coupler specifically designed for optimal performance in the HF frequency range.

By incorporating advanced ferrite transformer technology, this coupler boasts an ultra-compact, space efficient design, making it perfect for both fixed installations and field measurement use.

Designed for dual-function operation, the HFC10-26 provides output samples for both forward and reverse power flow, ensuring minimal interaction between the reverse signal and the load on the forward port. Integrated load resistors efficiently dissipate any unterminated coupled power, promoting stable and consistent performance.

Optimise your signal management and precision measurements with the HFC10-26 wideband directional coupler. Its compact size, exceptional reliability, and precise operation make it an essential tool for HF applications, delivering seamless power flow control and valuable system insights.



Spec	HFC10-26 - 10kW HF Directional Coupler
Connectors	Main line 1 7/8". Coupled line - 'N' female
Coupling Ratio	-26 dB +/- 0.5 dB
Forward/Reverse Discrimination	>30 dB
Frequency	2 - 32MHz Full specification*
Insertion Loss	<0.1 dB
Max VSWR	2.5:1
Power Rating	30kW continuous and peak
Return Loss (Matched Load)	26.5 dB
Notes	At 30kW the forward output signal is 75 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.

