

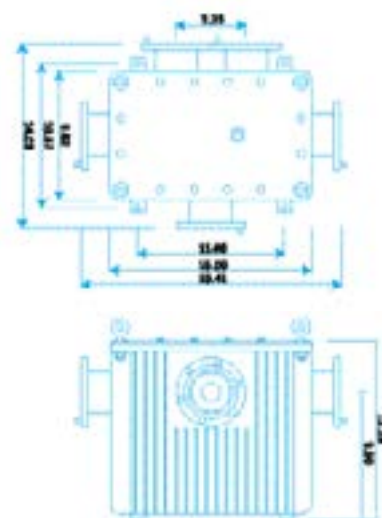
HFH2-10 Series

Our HFH2-10 Series of Broad Band Hybrids is a powerful solution for seamlessly combining two co-phased 10 kW transmitters into a single 20 kW output.

It also supports discrete, non-co-phased signals, with a 3 dB power loss, providing versatility for various broadcast applications.

These hybrids are ideal for low-power HF broadcast systems, where maintaining uninterrupted service is critical. Even if one transmitter fails, the system continues to function, ensuring consistent signal transmission. This reliability makes the HFH2-10 Series an essential component for broadcasters who require dependable performance under all conditions.

With excellent isolation characteristics, the HFH2-10 Series allows the combination of two unequal frequencies for common antenna operation. This flexibility enables broadcasters to optimise frequency usage while minimising interference. Although there is a 3 dB power loss, the trade-off is improved efficiency and adaptability, making it a valuable solution for dynamic RF environments.



Spec	2 x 10kW HF Hybrid Combiner
Frequency	2 - 30 MHz
Impedance	50 ohm
Power	2 input channels each 10 kW average (40kW peak), 20 kW average output for co-phased inputs
Pressure relief valve	Set to 0.5 - 1 PSI
Insertion loss	<0.25dB (matched loads)
VSWR	<1.2 : 1 max
Load VSWR	2.5:1 max
Connectors	7/8" or 15/8" EIA
Weight	55kg
Construction	Aluminium case, silicon oil cooled, pressure relief valve, epoxy paint finish
Load ports	2 x 50 Ohm 7/8" EIA
Isolation	>30 dB (matched loads)
Temperature	-40°C to +55°C

