

HFH4-1 Series

The HFH4-1 Series is a powerful 4 x 1 kW Broad Band Hybrid engineered to combine four unequal frequencies spanning the 2 - 40 MHz range.

Built to full military standards, ensuring durability and reliability in demanding applications such as frequency hopping systems. It efficiently combines four unequal frequencies within the 2-40 MHz range, though each signal path incurs a 6 dB splitting loss. Equipped with 'N' connectors, it guarantees efficient signal transmission and secure connectivity. For optimal performance, the load port must be terminated with 500-watt, 50-ohm unbalanced loads. Additionally, it is designed for outdoor unprotected operation, offering flexibility in various environments.



Spec	HFH4-1 Series
Frequency	2 - 40 MHz
Impedance	50 ohm
Input power	4 x 1 kW average
Balancing loads	6 x 500 Watt 50 Ohms
Insertion loss	0.5 dB (matched loads)
VSWR	<1.2 : 1 max
Load VSWR	3 : 1 max
Splitter loss	6 dB
Phase	0° +/- " 5°
Input sockets	'N' sockets
Output sockets	'N' sockets
Load sockets	'N' sockets
Isolation	>30 dB (matched loads)
Temperature	-40°C to +55°C
Cooling	Solid encapsulation natural convection

