

QHF-3-G SERIES – 90° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

FEATURES

- 30 to 1000 MHz
- Excellent Amplitude Balance
- Low Insertion Loss
- Humidity Sealed Filmbrid

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, GHz	Isolation, dB, Min.	Amplitude Balance, dB, Max.	Insertion Loss, dB, Max. Typ.	VSWR, Max.	Bandwidth Ratio	Package Outline
QHF-3-.300G	.090 - .500	17	1.5	0.7 0.5	1.25:1	5.5:1	A

General Notes:

1. The QHF-3 series covers 90 MHz to 500 MHz using a multi-section stripline design to produce wide operating bandwidths. Designs for many other frequency ranges are available to custom order.
2. High performance is achieved in the QHF-3 series using the Filmbrid™ Sandwich Package that's designed to work with both microstrip and balanced stripline.

GENERAL SPECIFICATIONS

- Coupling: – 3 dB nom.
- Impedance: 50 Ω nom.
- Phase Tolerance: 90° ±2° max.
- CW Input: 200 Watts
(CW power input with 1.2:1 VSWRout)
- Peak Power: 1 kW max.
- Connector Type: 4 Solder Tabs
- Operating Temperature: – 55° to +85°C

Package Outline - A

