

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

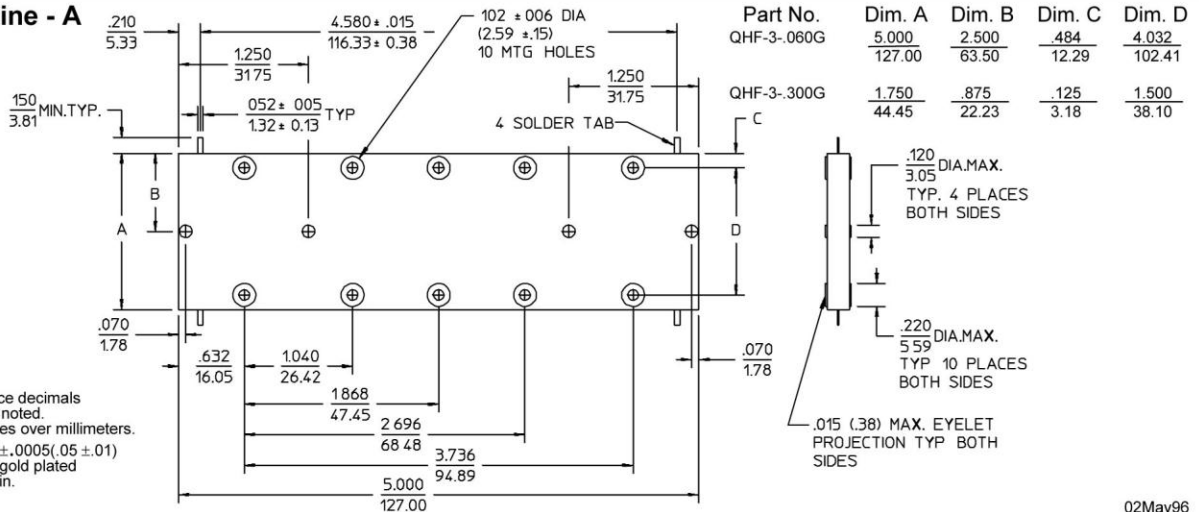
General Notes:

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



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QHF3.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2013 Crane Electronics, Inc. All rights reserved.

