

PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, GHz	Isolation, dB, Min.	Amplitude Balance, dB,		Insertion Loss, dB,		VSWR, Max.	Bandwidth Ratio	Package Outline
			Max.	Typ.	Max.	Typ.			
QHF-3-.060G	.030 - .090	18	1.5	0.7	0.5	1.25:1	3:1	A	
QHF-3-.300G	.090 - .500	17	1.5	0.7	0.5	1.25:1	5.5:1	A	
QHF-3-.350G	.200 - .500	18	1.0	0.6	0.4	1.25:1	2.5:1	B	
QHF-3-.675G	.250 - 1.00	18	1.5	0.75	0.5	1.35:1	4:1	C	
QHF-3-.750G	.500 - 1.00	20	1.0	0.35	0.35	1.25:1	2:1	D	

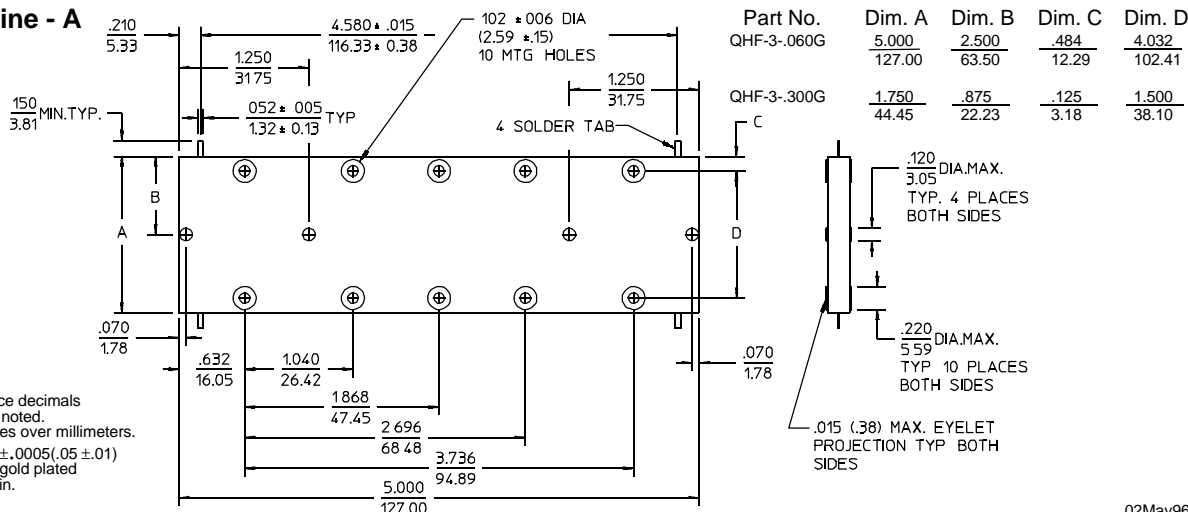
General Notes:

1. The QHF-3 series covers 30 MHz to 1 GHz 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 VSWR_{out})
- Peak Power: 1 kW max.
- Connector Type: 4 Solder Tabs
- Operating Temperature: - 55° to +85°C

Package Outline - A



- NOTES:
1. Tolerance on 3 place decimals ±.020(.51) except as noted.
 2. Dimensions in inches over millimeters.
 3. Solder Tabs: .002 ± .0005 (.05 ± .01) thk., iron nickel alloy, gold plated .00005 (.0012) thk. min.

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