

QLH007-CSMA

2000-10000 MHz HPF

Rev A, 8/28/2024

RoHS Compliant

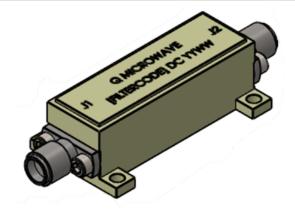
Subject to change without Notice

Features

- Highpass Filter
- Broadband
- Rugged Design

Applications

- Anti-Aliasing Filter
- Communications
- EW Applications



Product Overview

The QLH007-CSMA is a 50Ω highpass filter in a rugged connectorized package. This highpass rejects L-band and lower frequencies where many commercial applications function and can generate unwanted noise that can impact a system.

Electrical Specifications @ 25°C

Over Temperature information available when requested

Characteristic Impedance 50Ω

Parameter	Frequency (MHz)	Min.	Тур.	Max.	Units
Insertion Loss Passband	2000-10000		1.4	1.6	dB
Insertion Loss Center Frequency	6000		0.4	0.5	dB
Return Loss	2000-10000	12	14		dB
Rejection Stop Band	10-1780	45	50		dBc

^{*}Contact Factory if additional parameters are required such as: Ripple, Phase Linearity, Group Delay, etc.





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Absolute Maximum Ratings

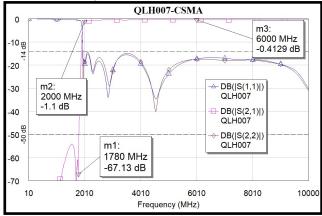
Permanent Damage may occur if any of these limits are exceeded

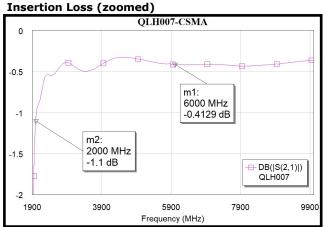
Parameter	Ratings		
Operating Temperature	-40°C to +85°C		
Storage Temperature	-65°C to +90°C		
Input Power	1 Watt		

Typical Performance Graphs @ 25°C

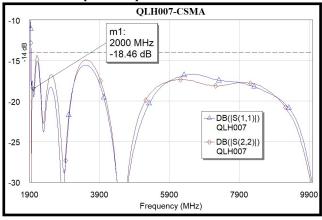
Performance may be simulated contact factory for details or associated S-Parameter files.



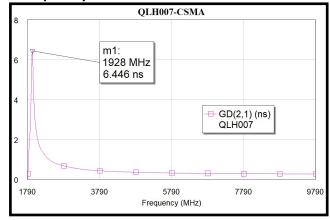




Return Loss (zoomed)



Group Delay





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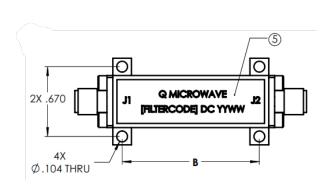
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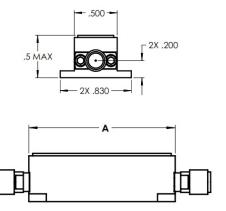
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Mechanical Detail

1) Material	HOUSING: ALUMINUM, 6061-T6; COVER: ALUMINUM, 4047		
2) Finish	CHEMICAL CONVERSION COATING, PER MILDTL-5541, CLASS 1A (YELLOW)		
3) Hermeticity	LASER SEALED HERMETIC PACKAGE. GROSS LEAK LEVEL PER MIL-STD-202 M112, COND D. FINE LEAK LEVEL PER MIL-STD-202 M112, COND C, MAX 1×10^{-6}		
4) Input/Output	FIELD REPLACEABLE SMA (F), FINISH PASSIVATED STAINLESS STEEL.		
5) Marking	LASERMARK APPROXIMATELY AS SHOWN		
6) Package	901537-1		





Package Number	DIM "A" (Inches)	DIM "B" (Inches)	Max Weight (grams)
901537-1	1.500	1.320	18.5
901537-2	2.000	1.820	23
901537-3	2.500	2.320	27.5

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