

# SPECIFICATION

LC BAND PASS FILTER  
 PART NUMBER: FN-4163W

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
06/23/2025 <sup>(PG)</sup>			

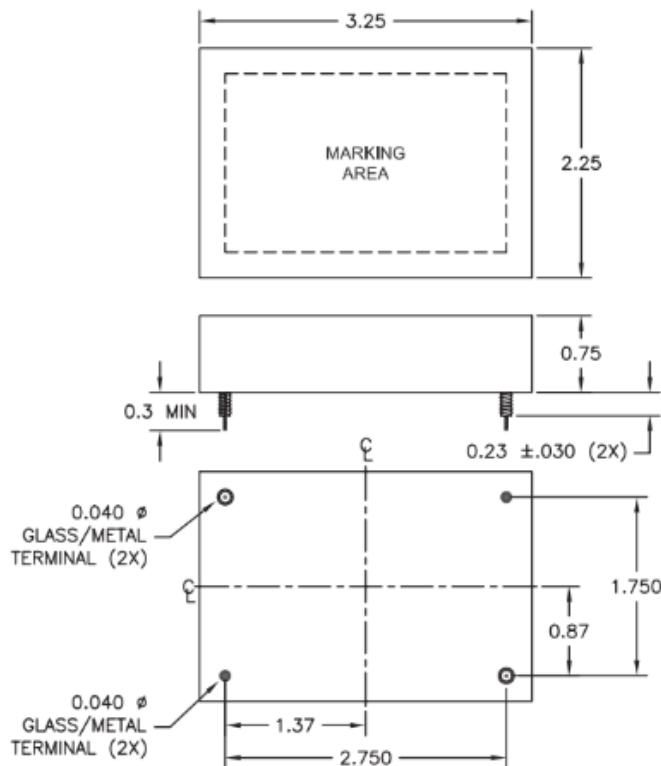
**FILTRONETICS Inc**

1. Part Number: FN-4163W

2. Electrical Specifications:

Filter Type	Band Pass
Center Frequency (Fo)	10.5 kHz
3 dB Band Width:	±100 Hz Min
Insertion Loss:	6.5 dB Max
Pass Band Ripple:	0.5 dB Max, 0 dB Typical
20 dB Band Width:	±1000 Hz Max
Input Power:	0 dBm Max
Impedance:	50 Ohms
Operating Temperature:	Room (+25°C)

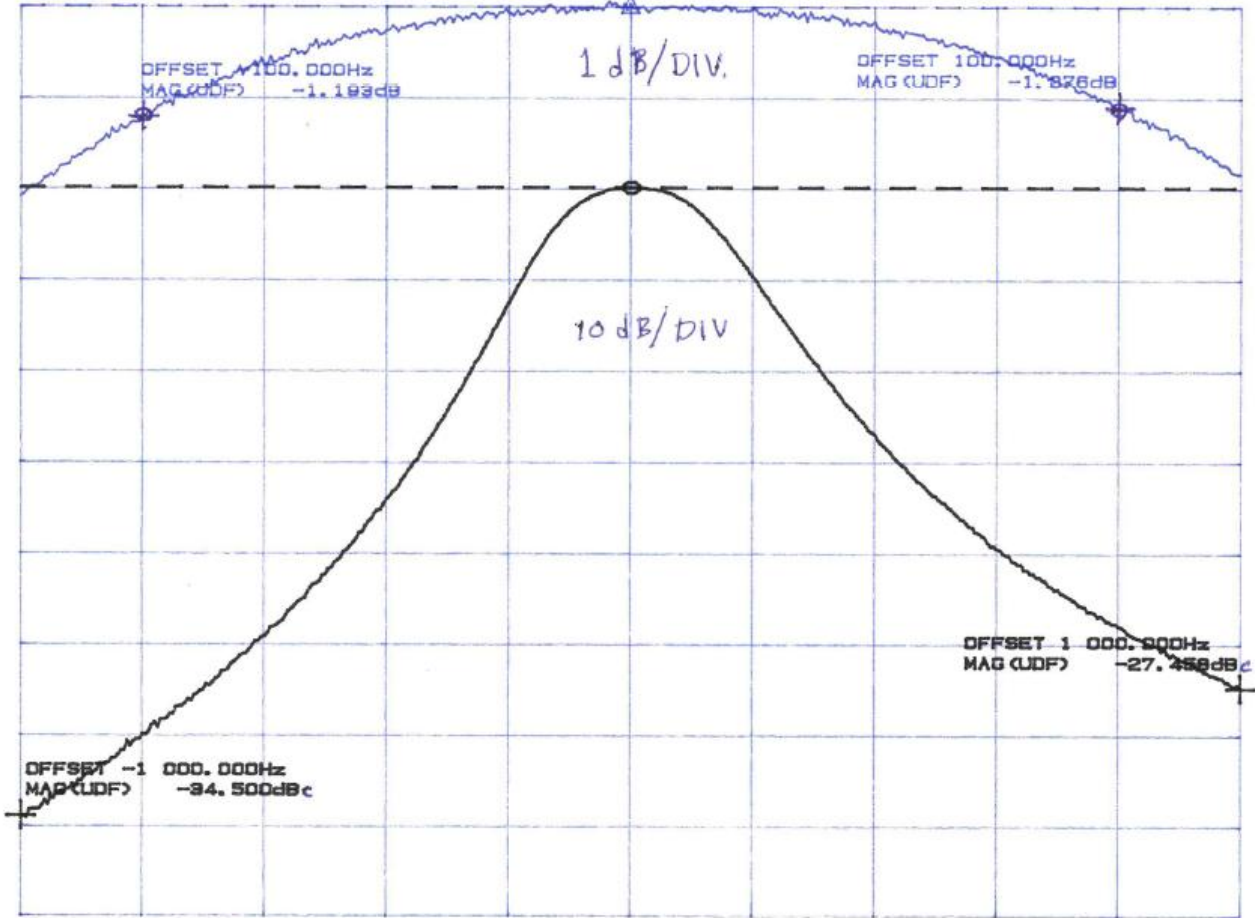
3. Mechanical Package:



**Marking:**  
 Filtronetics  
 FN-4163  
 Date Code: YYYYW

4. Response Plot:

REF LEVEL /DIV MARKER 10 500.000Hz  
 -3.622dB 5.000dB MAG (UDF) -3.610dB  
 -3.618dB 1.000dB OFFSET -100.000Hz  
 MAG (UDF) -1.188dB



CENTER 10 500.000Hz  
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SPAN 2 000.000Hz  
 SPAN 250.000Hz