

SPECIFICATION

COMMERCIALY AVAILABLE

ITEM: SAW BAND PASS FILTER

PART NUMBER: SF1003030

RoHS

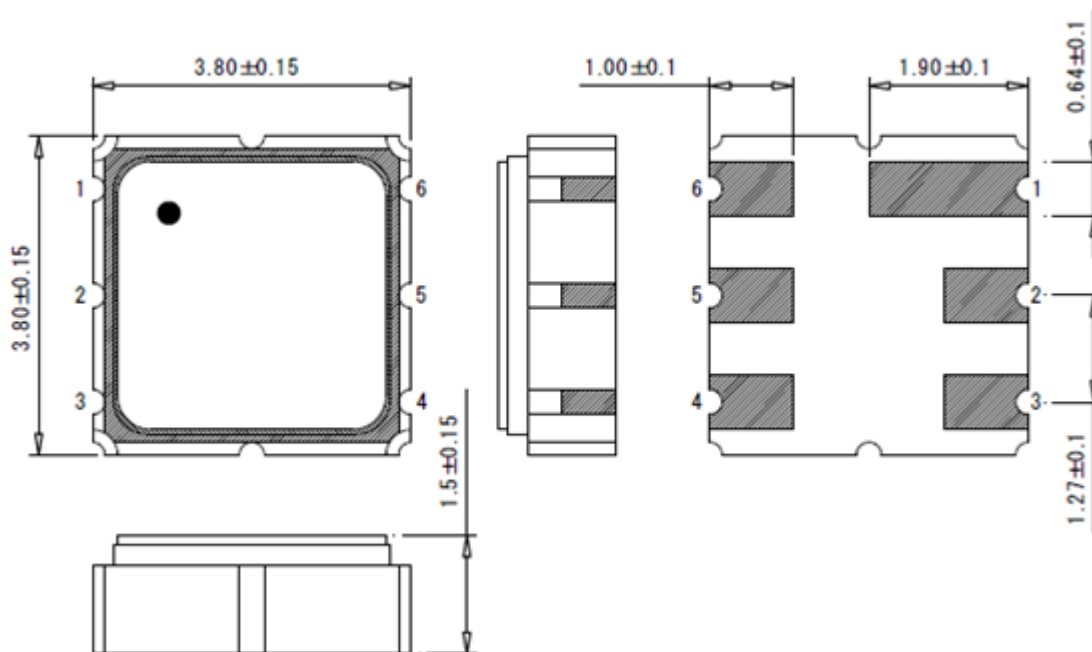
ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
05/12/2021 ^(ASM)	05/12/2021 ^(TG)		

FILTRONETICS Inc

1. Electrical Specifications:

Parameter	Min.	Typ.	Max.	Units
Center Frequency	-	1003	-	MHz
Insertion Loss (Fc ±15 MHz)	-	2.5	3.5	dB
Amplitude Ripple (Fc ±15 MHz)	-	1.0	2.0	dB
VSWR (Fc ±15 MHz)	-	2.3	2.7	
Absolute Attenuation				dBc
D.C. – 942.0 MHz	50	54	-	
942.0 – 964.0 MHz	40	45	-	
964.0 – 967.0 MHz	40	50	-	
1039.0 – 1040.0 MHz	13	27	-	
1040.0 – 1084.0 MHz	15	28	-	
1084.0 – 1559.0 MHz	35	52	-	
1559.0 – 3000.0 MHz	20	26	-	
Input/Output Impedance	50 ohms			
Maximum Input Power	+10dBm			
Operating Temperature	-30	+25	+85	°C
Storage Temperature	-40	-	+85	°C
Matching	Not Required			

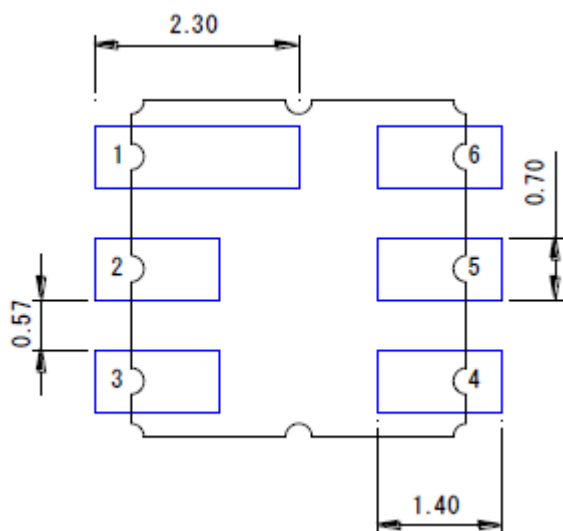
2. Dimension:



Body : Al_2O_3 Ceramic
 Lid : Kovar, Ni Plated
 Terminations : Au plating $0.3 \sim 1.0$ μm , Over a $1.27 \sim 8.89$ μm Ni Plating

Pin Configuration	
2	Input
5	Output
1, 3, 4, 6	Ground

Recommended Footprint:

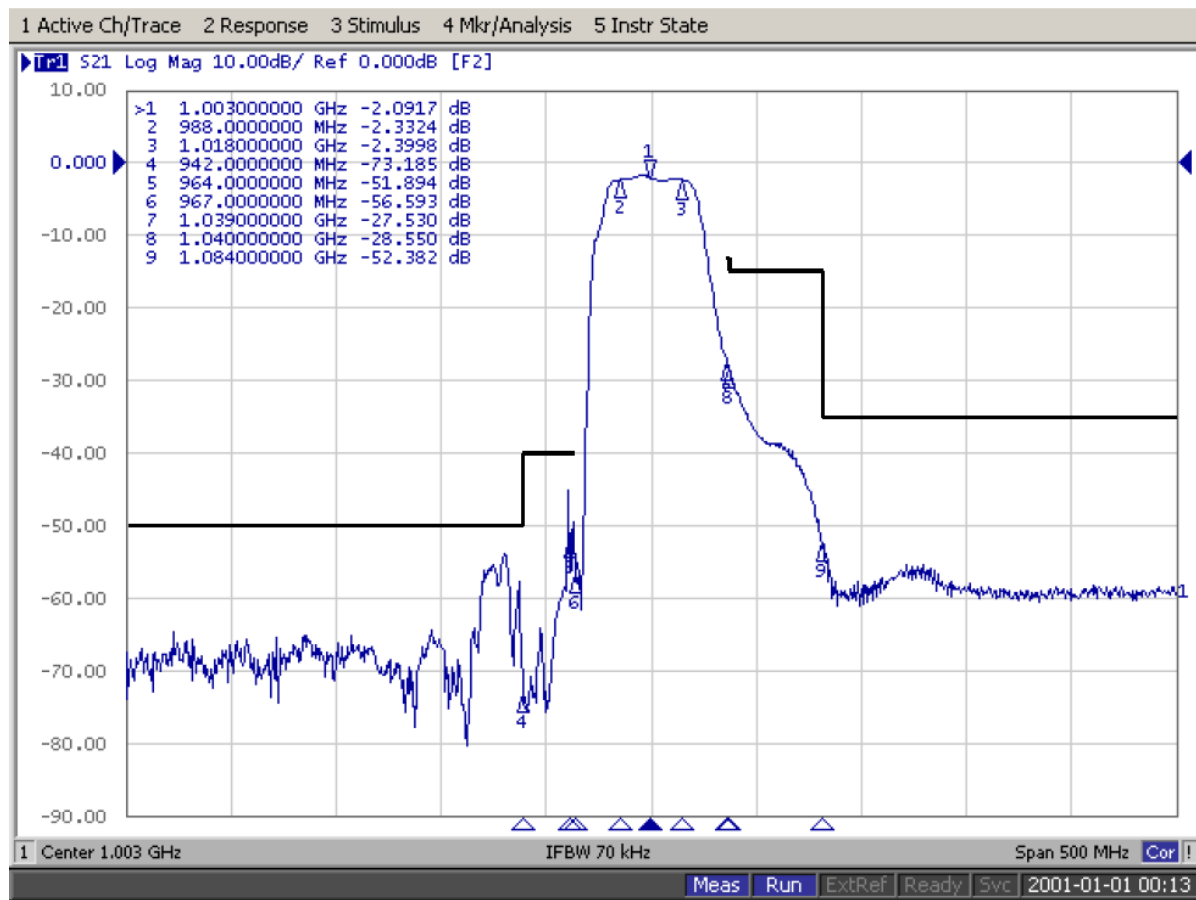


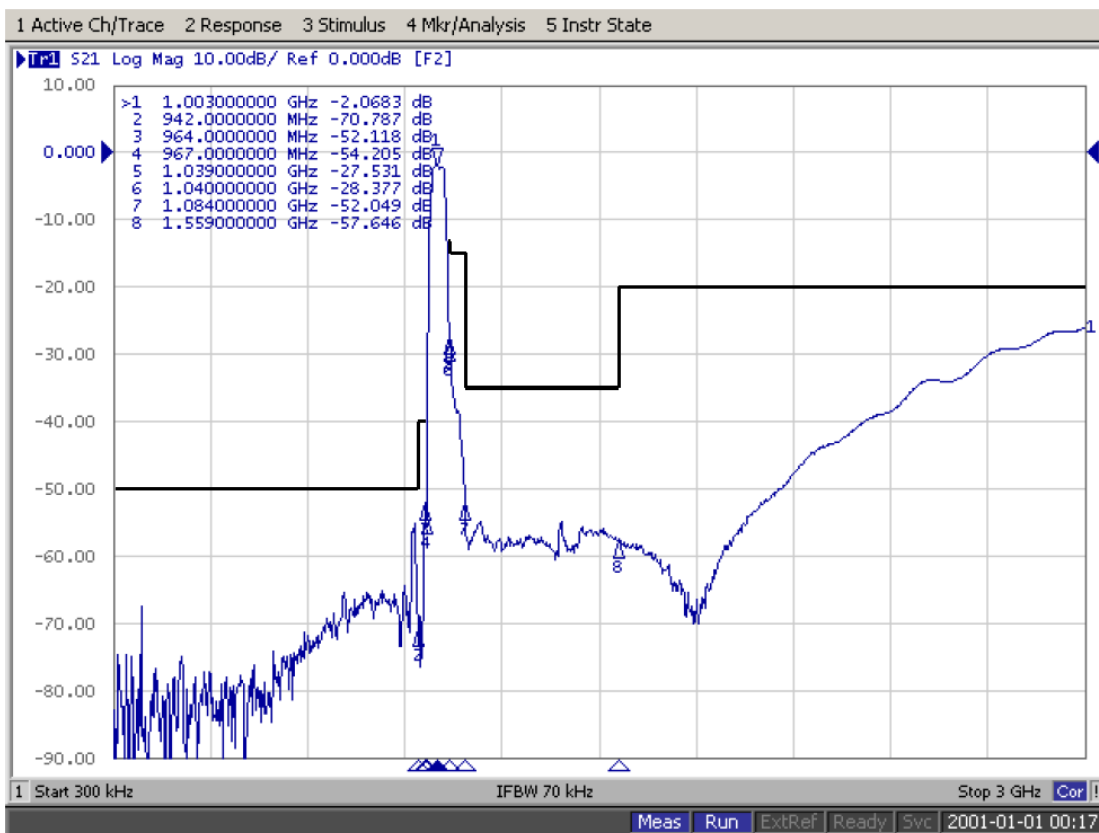
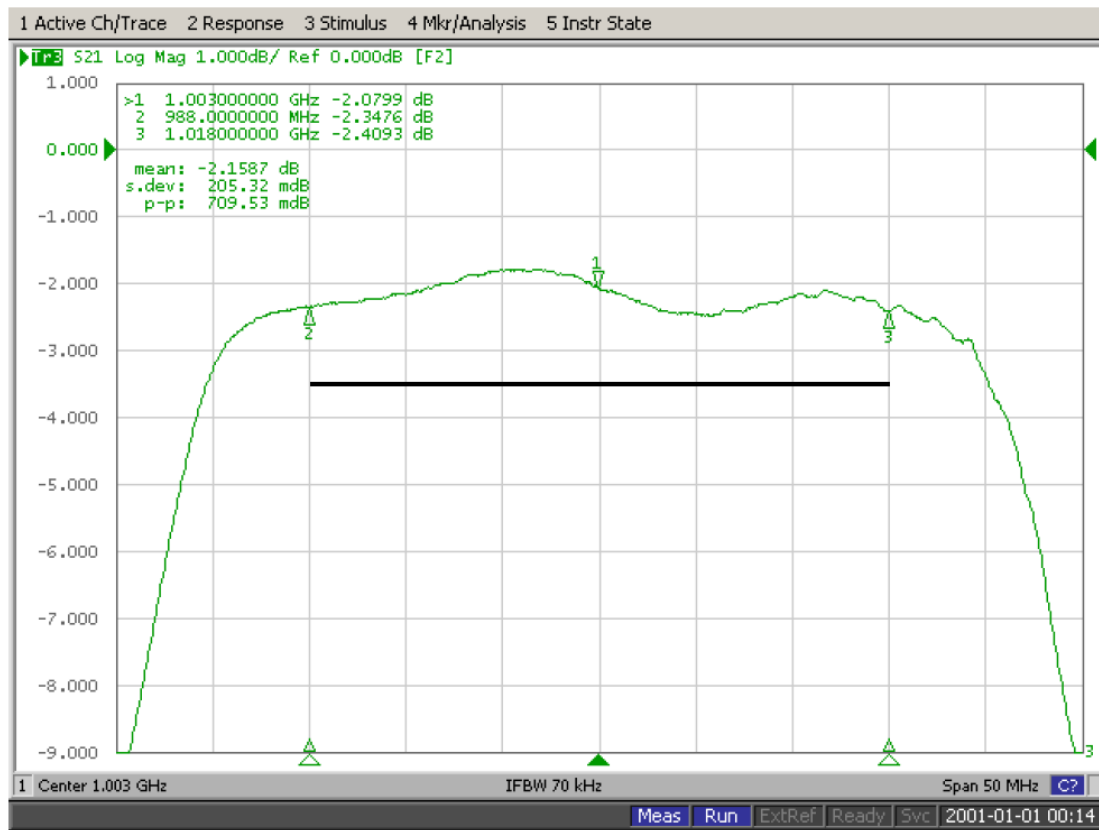
UNIT: MM
 Tolerance: ± 0.3 MM
 Marking:
 Too small for marking

3. Test Circuit: (Matching to be determined after production)

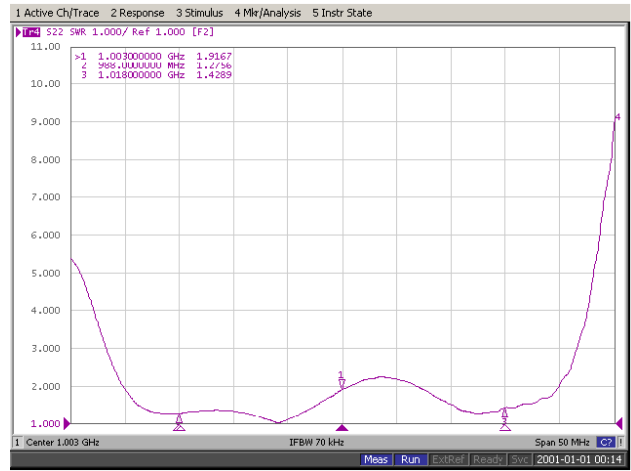
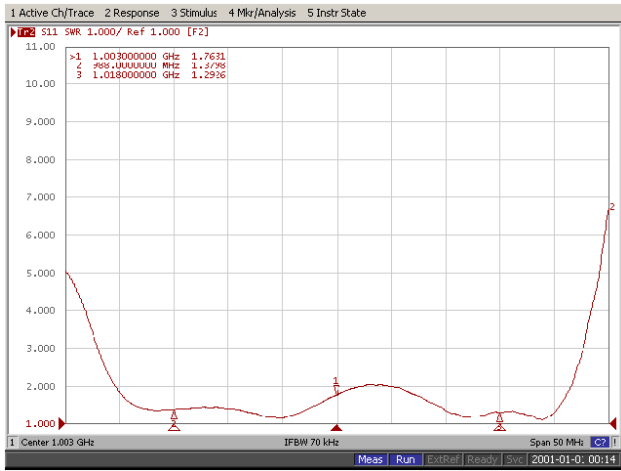


4. Response Plots: (at 25°C)





Input / Output VSWR Charts



Input / Output Smith Charts

