

SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC MONOBLOCK
 PART NUMBER: CFM-29800808
 RoHS

8/30/12 added land & resist pattern

6/02/16 Updated Reflow Profile

11/09/2022 – Updated recommended PC board pattern

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
5/18/12 kn	06/04/2012 TFG		06/04/2012 GL	
8/30/12				
6-2-16 ^(kn)				
11/09/2022 ^(asm)				

FILTRONETICS Inc

1. APPLICATION

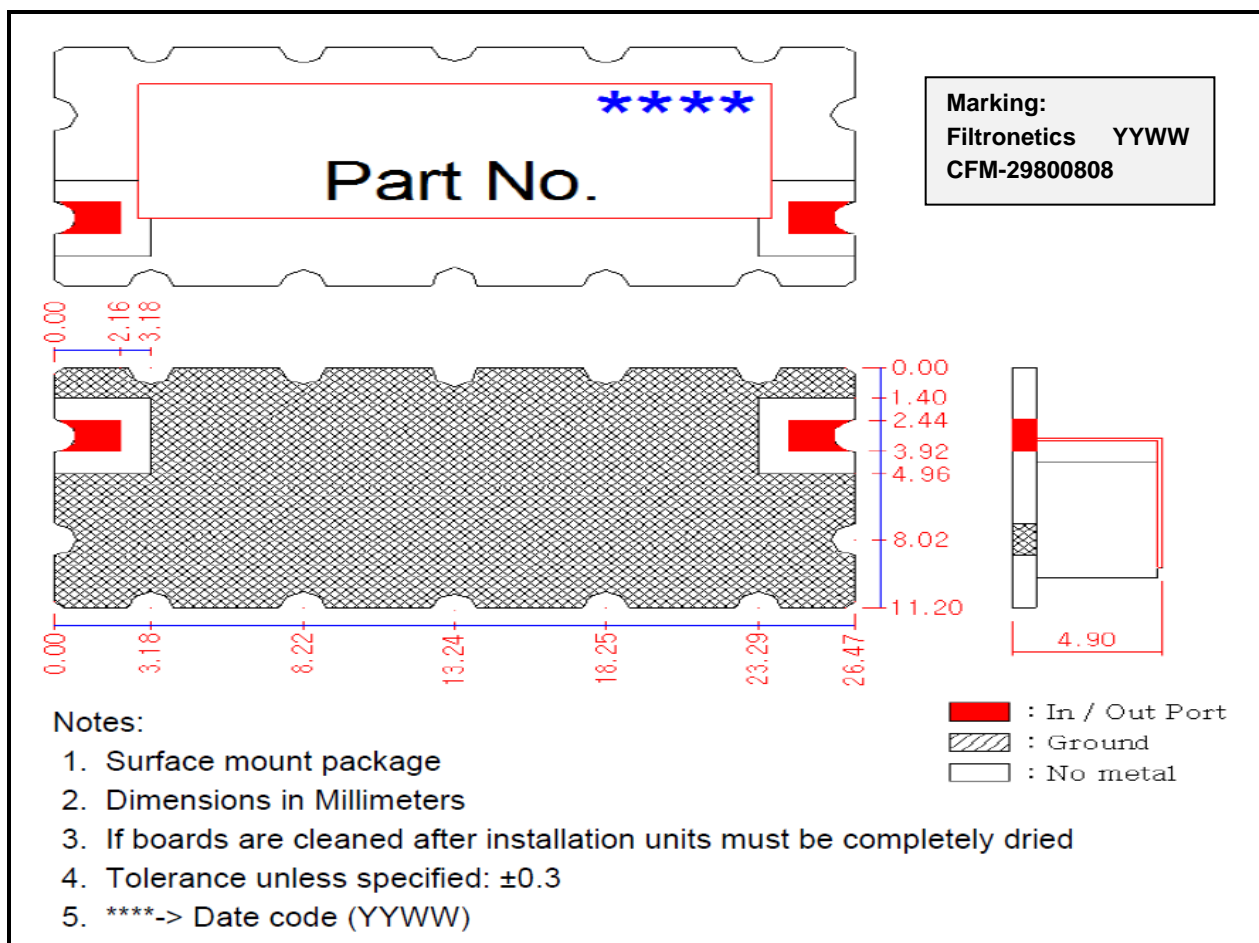
THIS SPECIFICATION APPLIES TO A BAND PASS FILTER, USING DIELECTRIC RESONATORS.

2. PART NUMBER: CFM-29800808

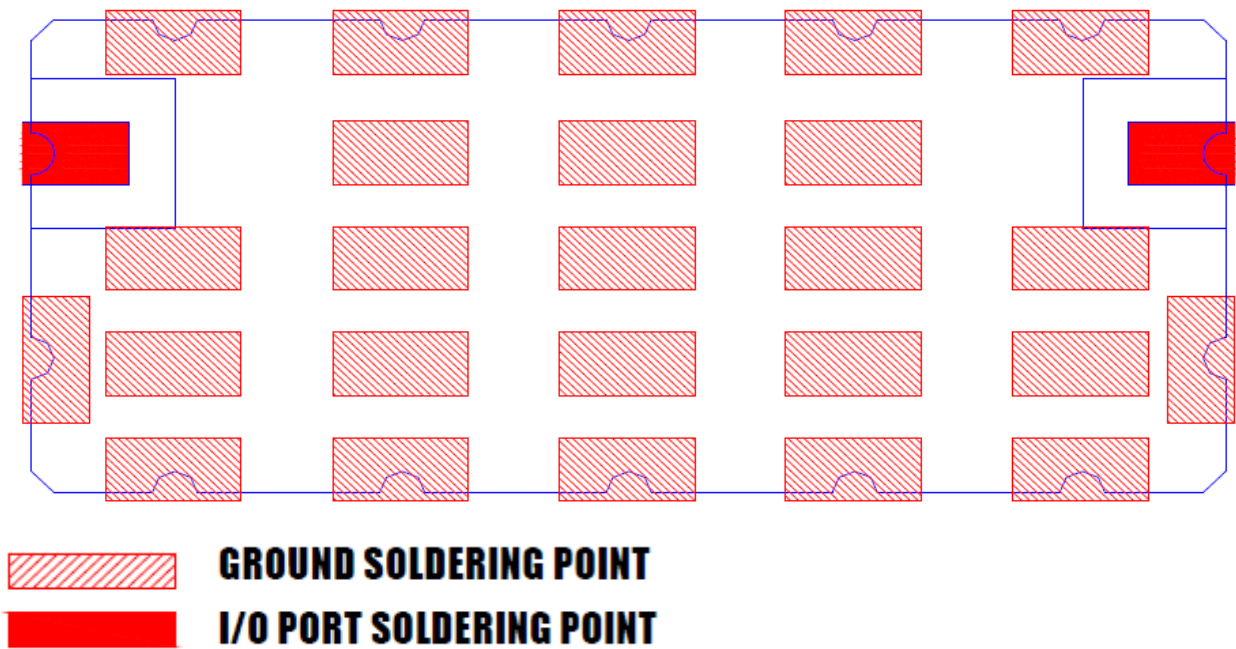
3. SPECIFICATIONS:

No.	Parameter	Unit	Specification
1	Center Frequency	MHz	2980
2	1dB Bandwidth	MHz	80 min.
	50dB Bandwidth	MHz	200 max.
3	Insertion Loss in BW	dB	5.0 max.
4	Ripple in BW	dB	1.0 max.
5	Return Loss in BW	dB	14.0 min.
6	Input Power	Watt	1 max.
7	IN/OUT Impedance	Ω	50
8	Operating Temp. Range	$^{\circ}\text{C}$	-40 ~ +85
9	RoHS Compliance	-	Yes
10	Pole	-	8

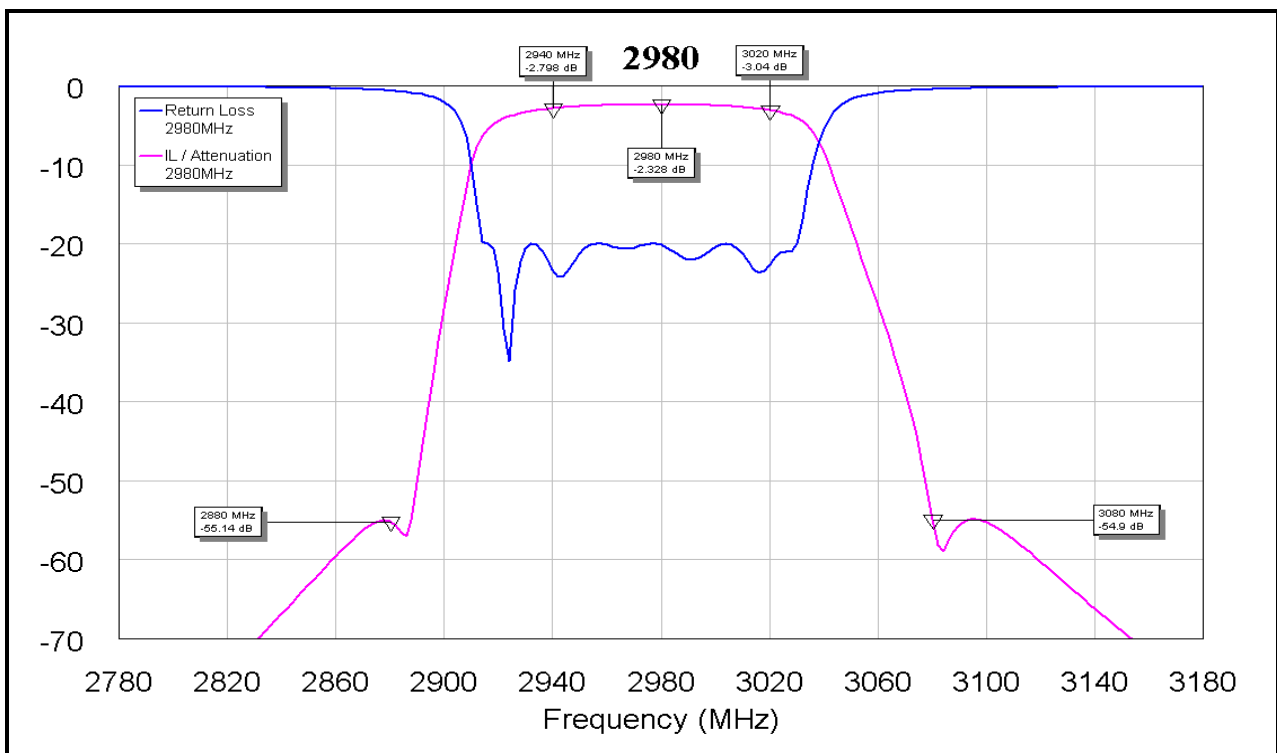
4. DIMENSIONS:



Recommended PC Board Pattern



5. SIMULATION:



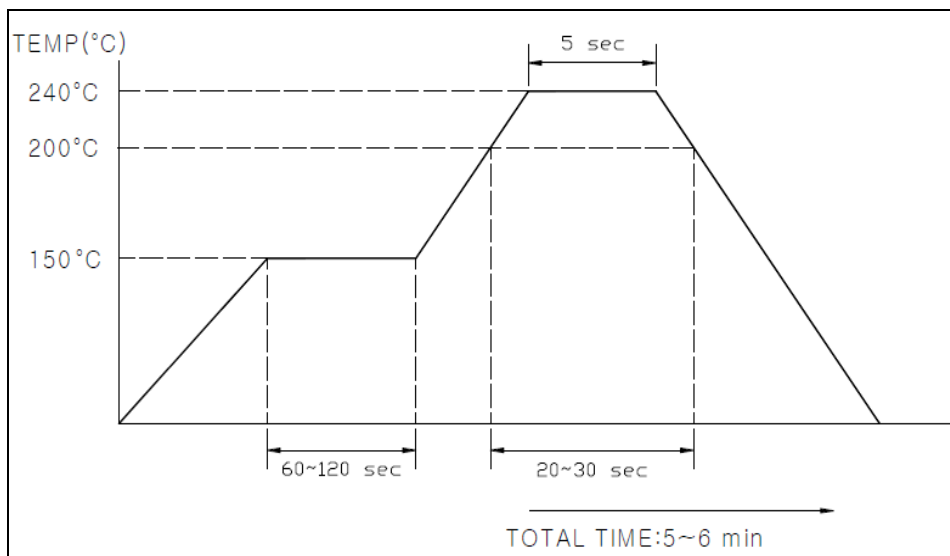
6. HUMIDITY RESISTANCE

The device is subjected to 85% relative humidity at 40±2°C for 96 hours ±2 hours.
 Then dry out at 25 ±5 °C and less than 65% relative humidity for 2 hours ±2 hours.
 After drying out the device shall satisfy the specifications in No. 2.

7. TEST CONDITION

Typical Condition		Standard Condition	
Temperature	Humidity	Temperature	Humidity
20°C	65%RH	-40 to 85°C	45 to 85%RH

8. REFLOW SOLDERING PROFILE



-Pb free solder
 SN: 96.5%
 AG: 3.5%
 CU: 0.5%