

# SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC BP

PART NUMBER: CF-48507006

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
9/11/12 kn	10/02/2012 TFG		10/02/2012 GL	

**FILTRONETICS Inc**

1. APPLICATION

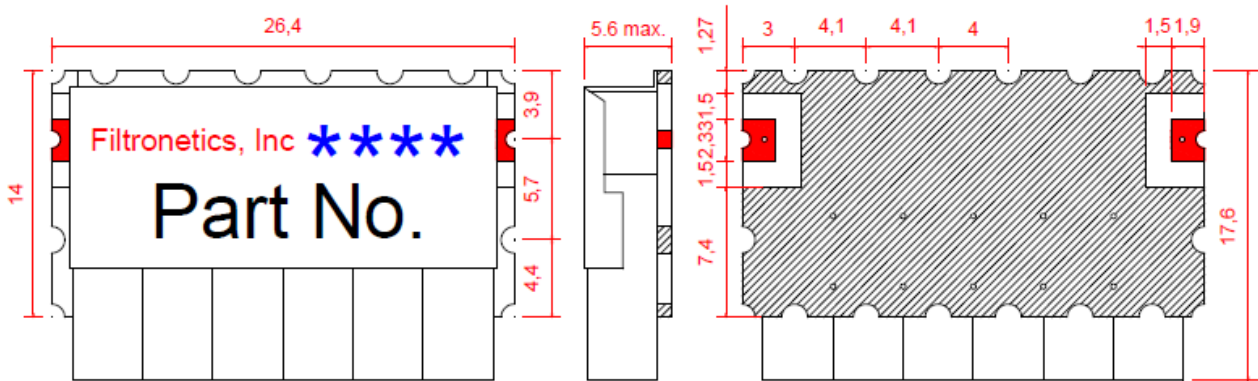
THIS SPECIFICATION APPLIES TO A BAND PASS FILTER, USING DIELECTRIC RESONATORS.

2. PART NUMBER: CF-48507006

3. SPECIFICATIONS:

No.	Parameter	Unit	Specification
1	Center Frequency	MHz	4850
2	Bandwidth	MHz	$F_c \pm 350(4500 \sim 5200\text{MHz})$
3	Insertion Loss in BW	dB	2.0 max.
4	Ripple in BW	dB	1.5 max.
5	Return Loss in BW	dB	10.0 min.
6	Attenuation	dB	50 min. @ 4000MHz
			35 min. @ 5700MHz
7	Input Power	Watt	3 max.
8	IN/OUT Impedance	$\Omega$	50
9	Operating Temp. Range	$^{\circ}\text{C}$	-40 ~ +85

4. Dimensions: mm



Notes :

1. Surface mount package
2. Dimensions in millimeters
3. Max reflow temperature 230°C for 10 sec
4. If boards are cleaned after installation units must be completely dried
5. Tolerance unless specified :  $\pm 0.3$
6. \*\*\*\* -> Date code(Y Y W W)

- : In / Out Port
- : Ground
- : No metal

5. SIMULATION GRAPH:

