

SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC BAND PASS FILTER
PART NUMBER:CF-03500144

RoHS

03/08/2017 - Updated format.

01/16/2020 – Revised to add ground footprint note.

01/30/2020 – Updated format. Added theoretical response plots.

ISSUED	CHECKED	CHECKED	CHECKED	APPROVED
3/16/09 ^(ds)				
3/8/17 ^(kn)				
01/16/2020 ^(ASM)				
01/30/2020 ^(ASM)				

FILTRONETICS Inc

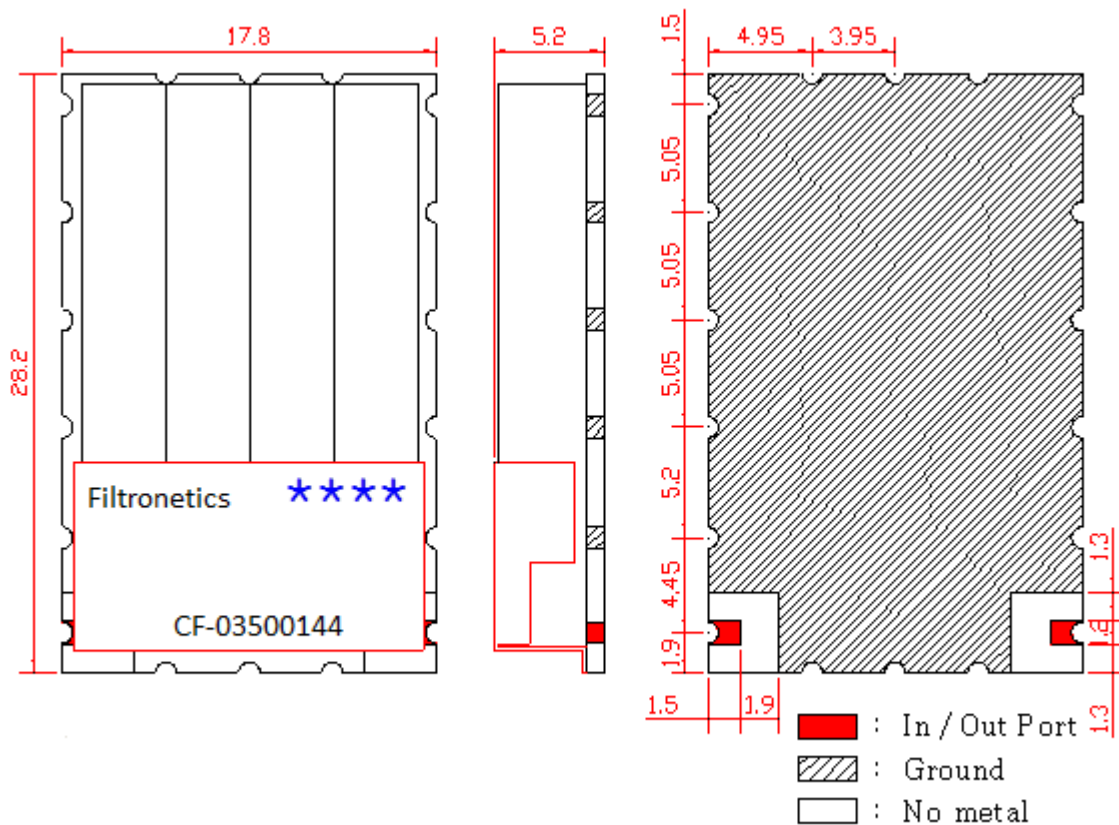
1. APPLICATION

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

2. PART NUMBER: CF-03500144**3. SPECIFICATIONS:**

Parameter	Unit	Specification
Center Frequency	MHz	350
Bandwidth	MHz	$F_c \pm 7.0$ (343 ~ 357MHz)
Insertion Loss in BW	dB	3.2 Max.
Ripple in BW	dB	1.0 Max.
Return Loss in BW	dB	12 Min.
Attenuation	dB	33 Min. @ DC ~ 323MHz
		33 Min. @ 390 ~ 800MHz
Group Delay Variation	nSec.	8.0 Max. @ 345 ~ 355MHz
Input Power	Watt	1.0 Max.
IN/OUT Impedance	Ω	50
Operating Temp. Range	$^{\circ}\text{C}$	-40~ +85

4. DIMENSIONS:



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: ± 0.3
6. **** Date code (YYWW)

NOTE: Ground footprint may be pulled back from the edge within tolerance to meet production needs and better comply with IPC-A-600.

5. Theoretical Response:

