

SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-18420754A

RoHS

| ISSUED / REVISION | ENGINEER APPROVED | DOCUMENT CHECKED | DRAFTSMAN | DOCUMENT CHECKED |
|--------------------------|--------------------------|-------------------------|------------------|-------------------------|
| 8/16/17 ^(kn) | | | | |
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FILTRONETICS Inc

1. APPLICATION

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

2. PART NUMBER: CF-18420754A

3. SPECIFICATIONS:

| No. | Parameter | Unit | Specification |
|-----|-----------------------|-------------|---------------------------------|
| 1 | Center Frequency | MHz | 1842.5 |
| 2 | Bandwidth | MHz | $F_c \pm 37.5$ (1805 ~ 1880MHz) |
| 3 | Insertion Loss in BW | dB | 1.8 max. |
| 4 | Ripple in BW | dB | 0.6 max. |
| 5 | Return Loss in BW | dB | 12.0 min. |
| 6 | Attenuation | dBc | 34 min. @ 1698.5MHz |
| | | | 28 min. @ 1986.5MHz |
| 7 | Input Power | Watt | 1 max. |
| 8 | IN/OUT Impedance | Ω | 50 |
| 9 | Operating Temp. Range | $^{\circ}C$ | -30 ~ +75 |

4. DIMENSIONS:

