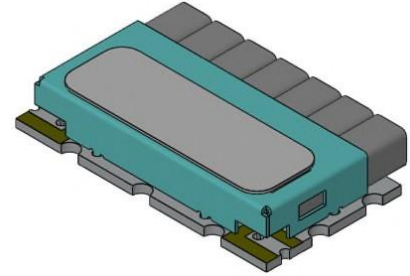


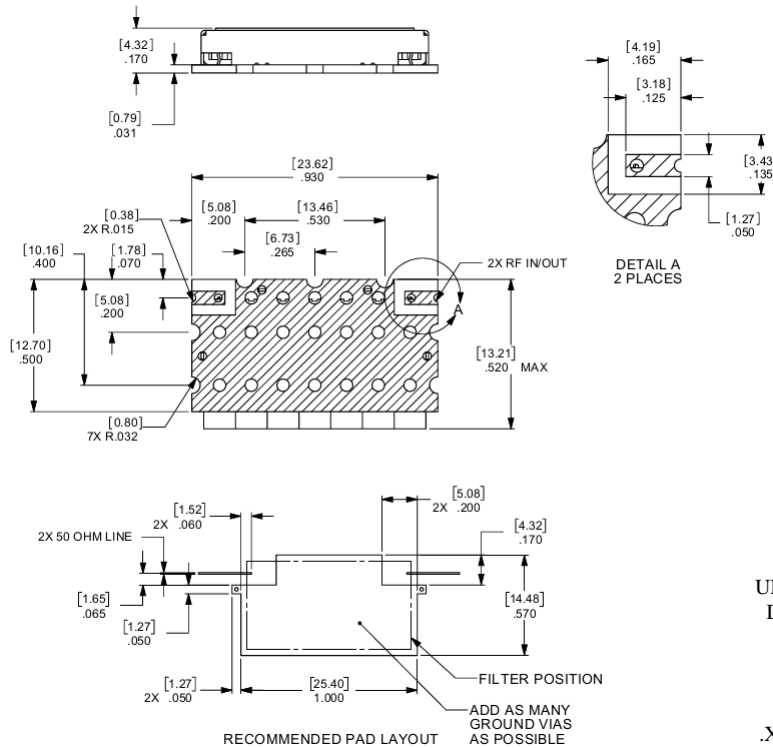
Ceramic Bandpass Filter

Features/Benefits

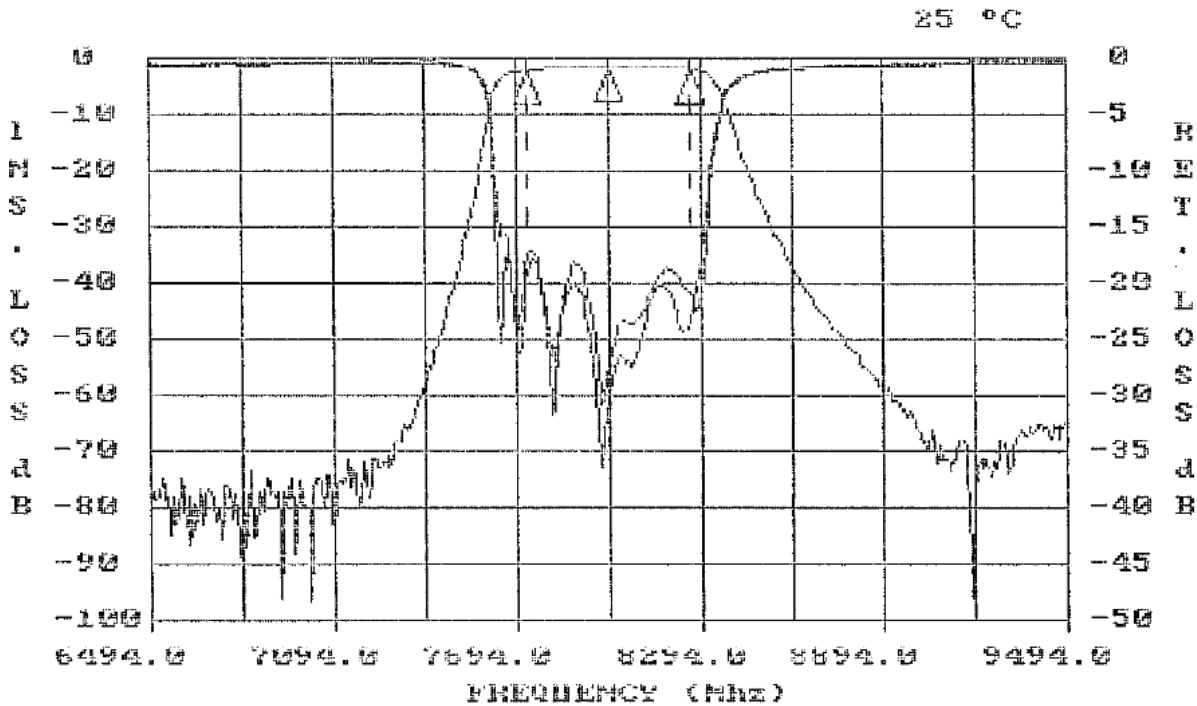
- Ceramic Filter
- Low Cost
- Low Profile
- Made in U.S.A.



| Parameter | Specification |
|------------------------------------|---|
| Center Frequency (F ₀) | 7994 MHz |
| Passband | 1.5 dBc max from 7730 MHz to 8258 MHz |
| Insertion Loss | 3.0 dBa max @ 7994 MHz |
| Return Loss | 15 dB min from 7730 MHz to 8258 MHz |
| Rejection | -60 dBc min from DC to 6610 MHz -55 dBc min from 9000 MHz to 13000 MHz |
| Temperature, Operating | -20°C to +85°C |
| Temperature, Storage | -55°C to +125°C |
| Temperature, Soldering | +215°C MAX (use convective reflow) |
| Mechanical Dimensions | 0.930 x 0.500 x 0.520 inches [23.62 x 12.70 x 13.21 mm] (L X W X H) |



This document contains proprietary information and is to be used only for the purposes for which it has been supplied and is not to be duplicated or disclosed in whole or in part without written permission from a duly authorized representative of Knowles.



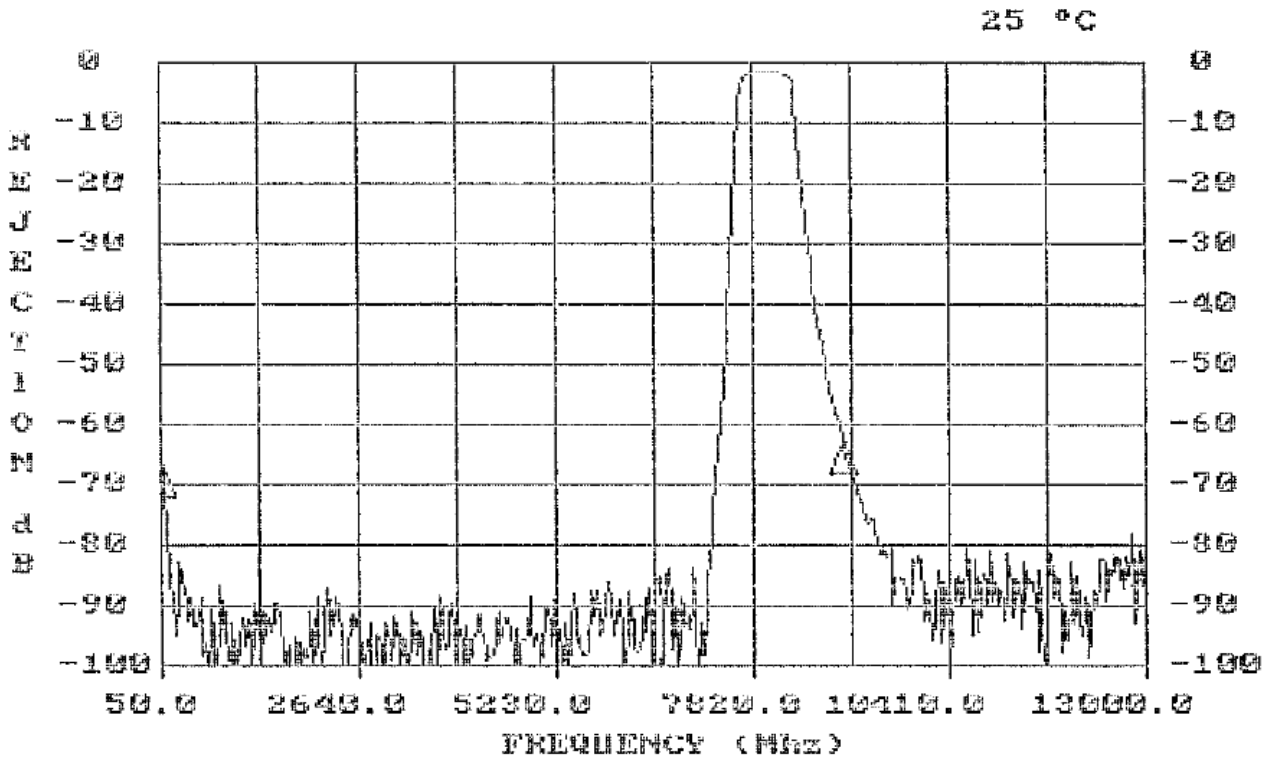
| FREQUENCY (MHZ) | VALUE | SPEC | COMMENTS |
|-----------------|-----------|--------------|----------|
| 7994 | -1.57 dbA | -3 dbA MAX | |
| 7730 - 8258 | -.627 dbc | -1.5 dbc MAX | |

| FREQUENCY (MHZ) | VALUE | SPEC | COMMENTS |
|-----------------|-------|------------|--------------|
| 7730 - 8258 | -17.9 | -15 db MIN | (S11) - VSWR |
| 7730 - 8258 | -17.0 | -15 db MIN | (S22) - VSWR |

This document contains proprietary information and is to be used only for the purposes for which it has been supplied and is not to be duplicated or disclosed in whole or in part without written permission from a duly authorized representative of Knowles.

Phone: 1-315-655-8710 • Email: KPD-NA-sales@knowles.com • www.knowlescapacitors.com

Product and product information are subject to change without notice.



| FREQUENCY (MHZ) | VALUE | SPEC | COMMENTS |
|-----------------|-----------|-------------|----------|
| 130 - 6610 | -64.7 dbC | -60 dbC MIN | |
| 9000 - 13000 | -61.7 dbC | -55 dbC MIN | |

This document contains proprietary information and is to be used only for the purposes for which it has been supplied and is not to be duplicated or disclosed in whole or in part without written permission from a duly authorized representative of Knowles.

Phone: 1-315-655-8710 • Email: KPD-NA-sales@knowles.com • www.knowlesc capacitors.com

Product and product information are subject to change without notice.