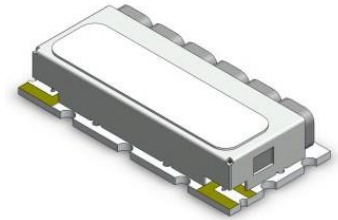


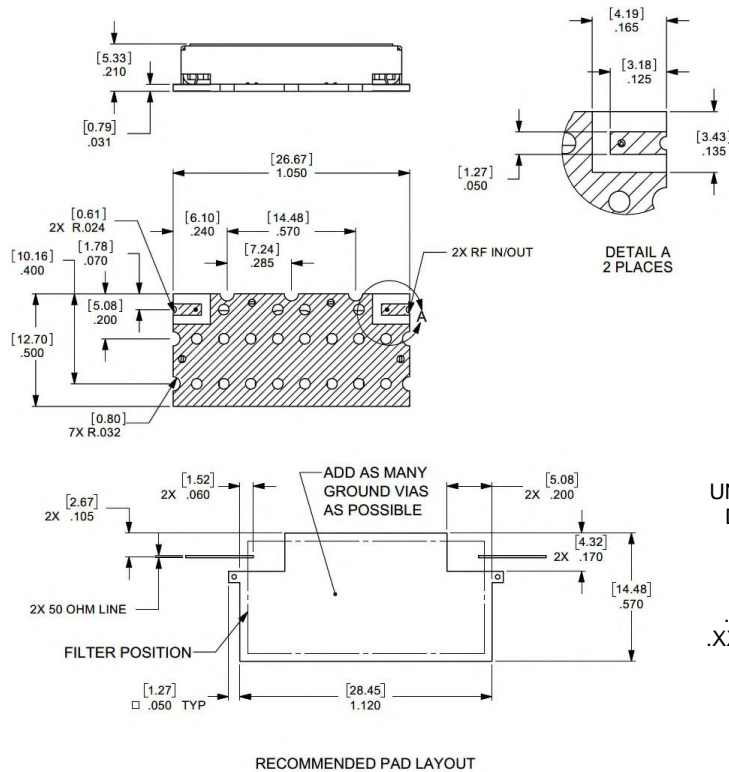
Ceramic Bandpass Filter



Features/Benefits

- Surface Mount
- Made in U.S.A.

Parameter	Specification
Center Frequency (F ₀)	3100 MHz
Passband	-3.0 dBc max from 3090 MHz to 3110 MHz
Return Loss	-13 dB min from 3093 MHz to 3107 MHz
Insertion Loss	-12.9 dBa max @ 3100 MHz
Rejection	-49 dBc min @ 3060 MHz -29 dBc min @ 3075 MHz -2 dBc min @ 3090 MHz -2 dBc min @ 3110 MHz -28 dBc min @ 3130 MHz -47 dBc min @ 3145 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	1.050 x 0.500 x 0.210 inches [26.67 x 12.70 x 5.33 mm] (L X W X H)



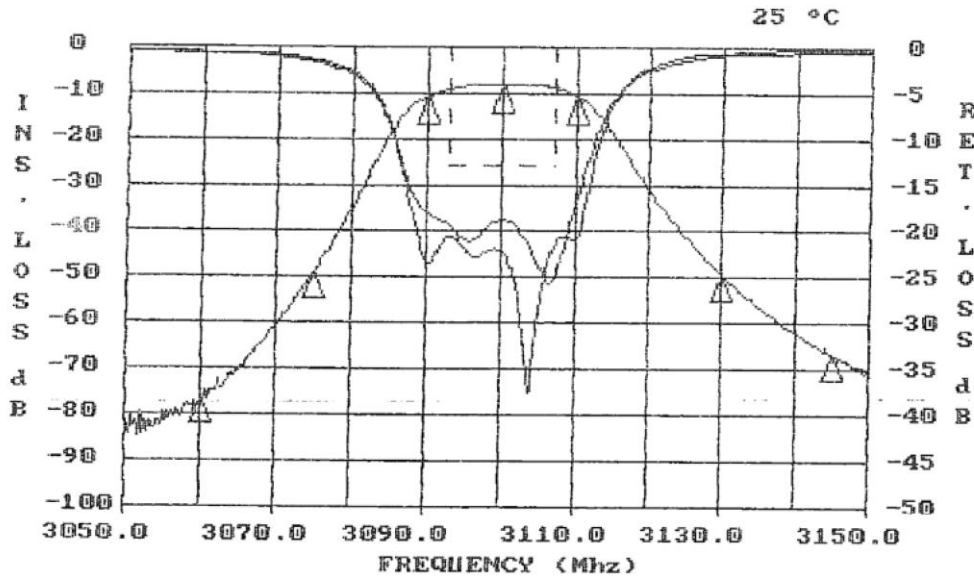
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

INCHES	MILLIMETERS
.XX ± .02	[X.X] ± .5
.XXX ± .020	[X.XX] ± .51
.XXXX ± .0020	[X.XXX] ± .051

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.



FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
3100	-8.00 dbA	-12.9dbA MAX	
3060	-68.1 dbC	-49 dbC MIN	
3075	-41.0 dbC	-29 dbC MIN	
3090	-2.59 dbC	-2 dbC MIN	
3110	-2.56 dbC	-2 dbC MIN	
3130	-41.6 dbC	-28 dbC MIN	
3145	-58.5 dbC	-47 dbC MIN	
3090 - 3110	-2.59 dbC	-3 dbC MAX	

VALUE	SPEC	COMMENTS
18.34 MHZ	20 MHZ MAX	-2dbC Width
3100.10MHZ	3090 MIN	Center Freq.
3100.10MHZ	3110 MAX	Center Freq.
20.98 MHZ	20 MHZ MIN	-3dbC Width
3099.97MHZ	3090 MIN	Center Freq.
3099.97MHZ	3110 MAX	Center Freq.

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
3093 - 3107	-18.7	-13 db MIN	(S11) - VSWR
3093 - 3107	-20.8	-13 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.