



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Features

- Low Loss
- High Rejection
- Excellent Return Loss

Description

Surface mount, silver (Ag) coated neodymium ceramic filter. Developed for use in 880 MHz infrastructure applications.

Weight: 7.04 grams typical

Material: Filter is composed of a ceramic block plated with Ag.

Filter complies with RoHS standards.



Electrical Specifications

| Parameter | Frequency MHz | Typical @ 25°C | Specification @ 25°C | Spec over -40°C to +85°C |
|-------------------------------|---------------|----------------|----------------------|--------------------------|
| Passband Iloss | 849 - 914 | 0.8 | -2.8 | -3.0 |
| Passband Ripple | 849 - 914 | 0.2 | 1.9 | 2.0 |
| Passband Return Loss @ Port 1 | 849 - 914 | -14.0 | -10.0 | -10.0 |
| Passband Return Loss @ Port 2 | 849 - 914 | -14.0 | -10.0 | -10.0 |
| Passband Phase Variation | 849 - 914 | +/- 4° | +/- 8° | +/- 8° |
| Attenuation | 0.1 - 230 | -50.0 | -25.0 | -25.0 |
| | 230 - 700 | -25.0 | -15.0 | -15.0 |
| | 1090 - 1350 | -53.0 | -50.0 | -50.0 |
| | 1679 - 1740 | -28.0 | -25.0 | -25.0 |
| Power into any port | | 1 Watt max | | |

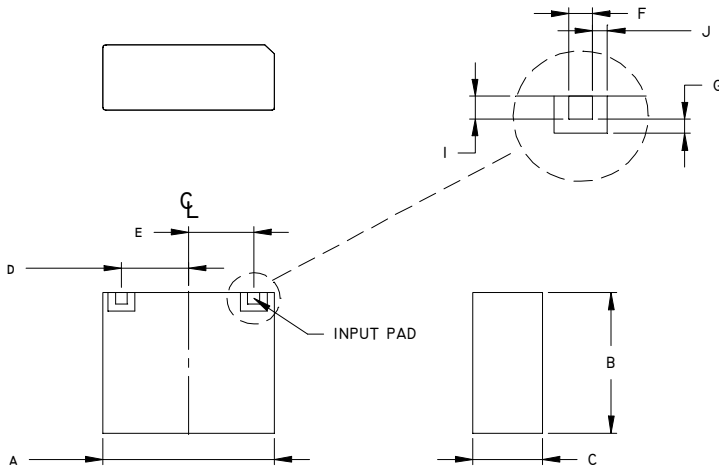
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

| Specification Allowance | |
|-------------------------|--------|
| Insertion Loss | 0.1 dB |
| Return Loss | 1.0 dB |
| Stopbands | 1.0 dB |

*This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB 2273393;JP 3205337;KR 115113;CN 93106228.4;US 5,512,866;EP 0706719;DE 0706719;FR 0706719;GB 0706719;CN 95190359.4;US 5,602,518;US 5,721,520;US 5,745,018;EP 0910875;DE 0910875;DK 0910875;FR 0910875;GB 0910875;IE 0910875;JP 505182/98;KR 10-323013;US 5,994,978;US 6,462,629;CN 00810420.4;US 6,559,735;US 6,650,202;US 6,834,429. Other US and foreign patents pending.

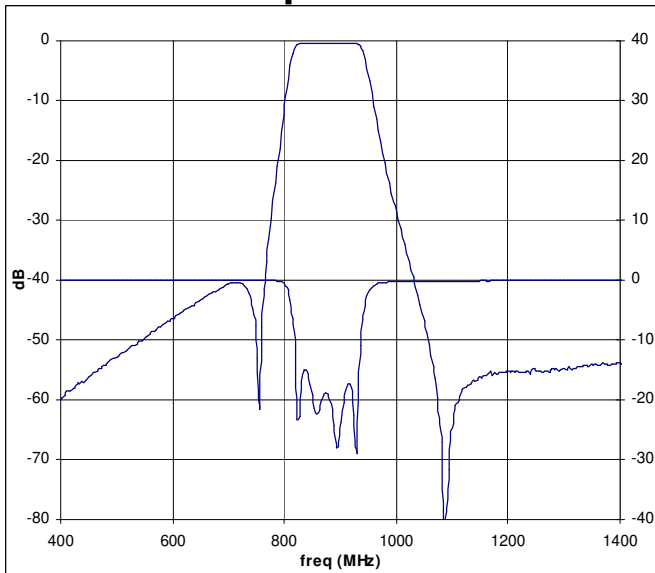
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Mechanical Drawing

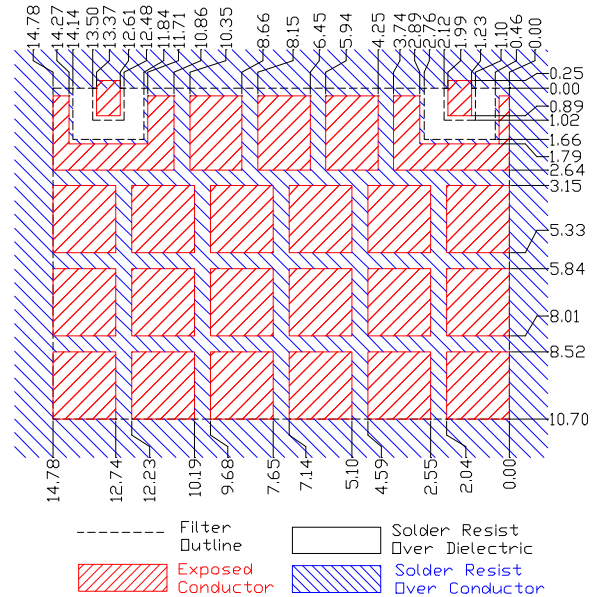


| Dim | Nominal (mm) | Tolerance (mm) +/- or max | Critical Parameters Noted by X |
|-----|--------------|---------------------------|--------------------------------|
| A | 14.78 | Max. | X |
| B | 10.7 | Max. | X |
| C | 6.0 | Max. | X |
| D | 5.78 | 0.13 | X |
| E | 5.60 | 0.13 | X |
| F | 1.02 | 0.13 | X |
| G | 0.64 | 0.13 | X |
| I | 1.02 | 0.13 | X |
| J | 0.64 | 0.13 | X |

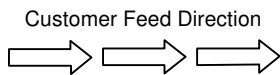
Electrical response



PCB Layout

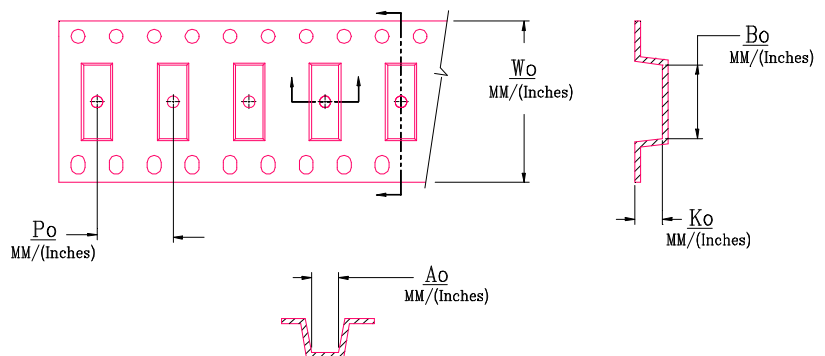


Packaging and Marking



| DIMENSION | UNITS | SPECIFICATION |
|---------------|-------|---------------|
| REEL DIAMETER | mm | 330 |
| REEL WEIGHT | kg | 2.3 |
| REEL QUANTITY | ea. | 250 |

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| W_o | A_o | B_o | K_o | P_o |
|-----------|--------------|-------------|-------------|-------------|
| Inches/mm | Inches/mm | Inches/mm | Inches/mm | Inches/mm |
| 0.945"/24 | 0.594"/15.08 | 0.433"/11.0 | 0.248"/6.30 | 0.787"/20.0 |