

### Features

- Low Ripple
- High Rejection
- Low Loss

### Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in Infrastructure and applications.

Material: Filter is composed of a ceramic block coated with Ag and a shield made of nickel silver plated steel.

Filter complies with RoHS standards.



### Electrical Specifications

Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -40°C to +85°C
<b>Response</b>				
Passband Iloss	2620 - 2690	-1.90	-2.20	-2.40
Passband Ripple	2620 - 2690	0.80	1.80	2.00
Passband Return Loss	2620 - 2690	-18.0	-14.0	-14.0
Attenuation	2300 - 2400	-55.0	-25.0	-25.0
	2500 - 2570	-49.0	-38.0	-38.0
Power into any port		2 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:

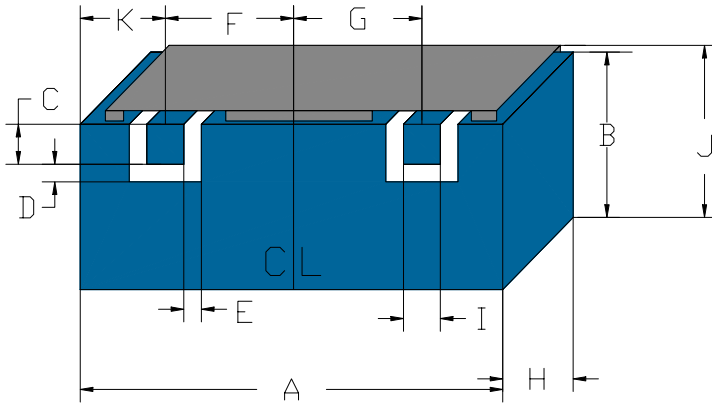
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

\*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.

\*CTS Corporation 2006 reserves all copyrights in the layout, design and configuration of the patterns on this product.\*

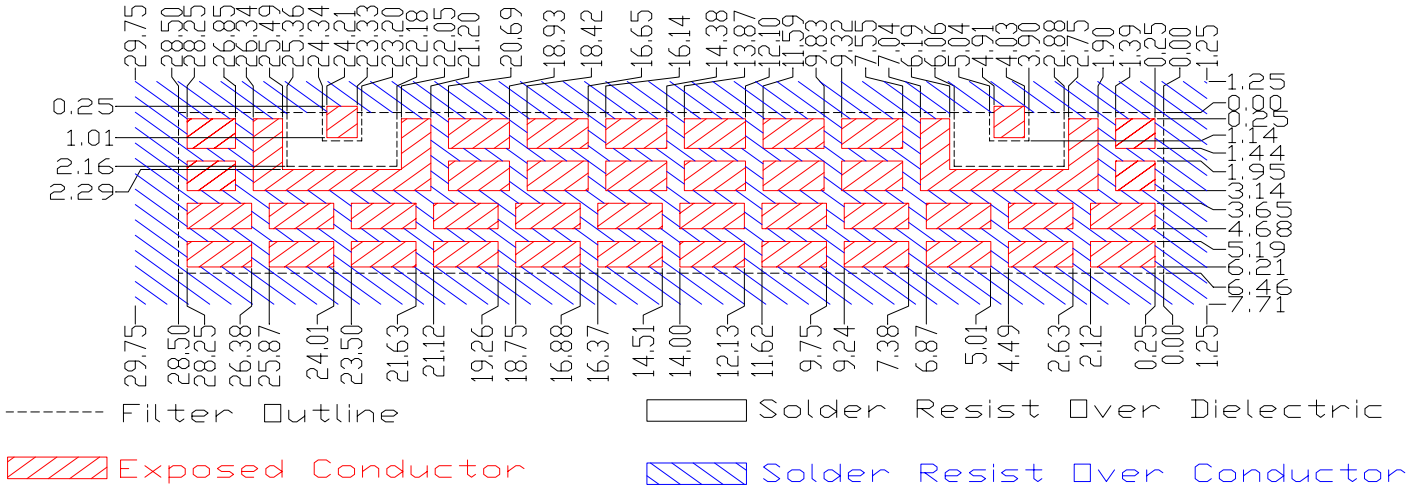
### Mechanical Drawing

Revision B – Origin Date: November 3, 2010 – Revision Date: July 11, 2011

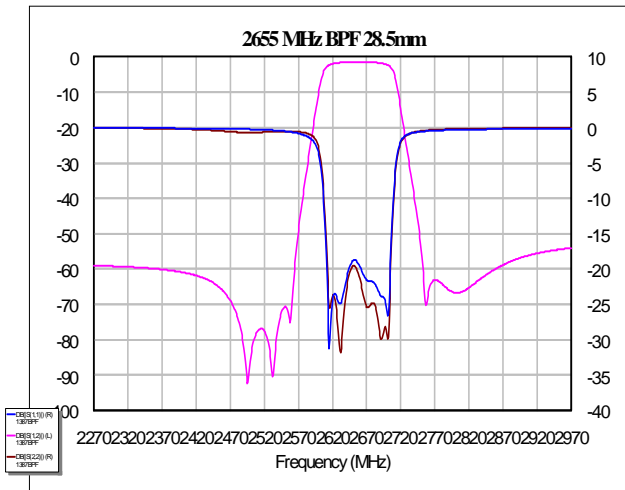


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	28.50	max
B	6.46	0.2
C	1.14	0.13
D	1.02	0.13
E	1.02	0.13
F	9.65	0.13
G	9.65	0.13
H	5.80	0.13
I	1.14	0.13
J	7.36	0.13
K	4.47	0.13

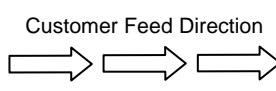
### PCB Layout



### Electrical response

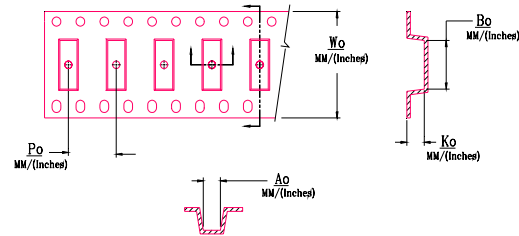
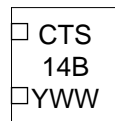


### Packaging and Marking



DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REELWEIGHT	kg	3.48
REEL QUANTITY	ea.	400

#### Product Marking



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
2.205" / 56.0	0.343" / 8.7	1.705" / 43.3	0.343" / 8.7	0.630" / 16.0