

## Features

- Extended Bandwidth
- Excellent Ripple
- High Rejection

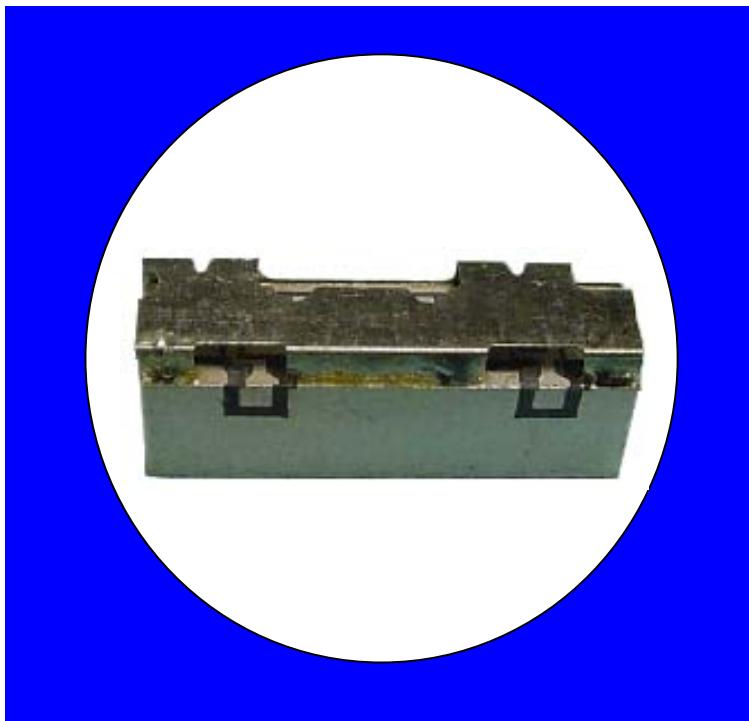
## Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in W-CDMA infrastructure applications.

Weight: 4.7 grams typical

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.



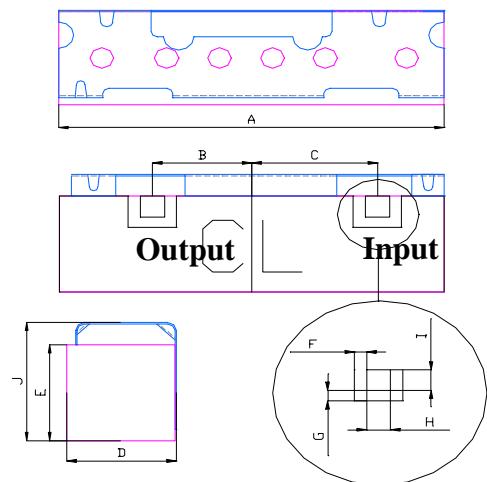
## Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. over -10°C to +80°C
Passband Insertion Loss	2100 – 2180	1.85	2.4 dB max.
Passband Ripple	2100 – 2180	0.8	1.5 dB max.
Passband Return Loss	2100 – 2180	15	10.0 dB min.
Attenuation:	2010	45	30.0 dB min.
	2210	36	30.0 dB min.
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:

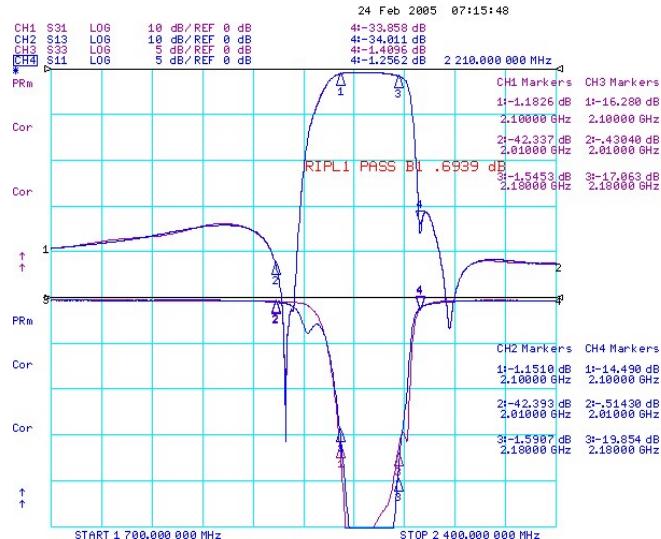
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

## Mechanical Drawing

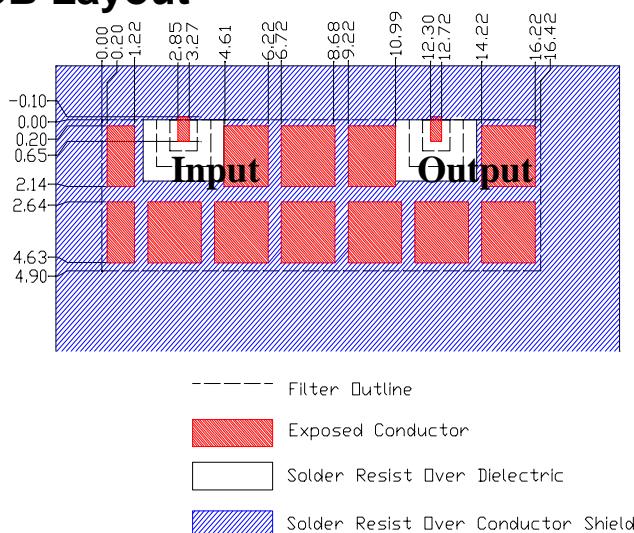


Dim	Nominal (mm)	Tolerance (mm) +/- or max
<b>A</b>	16.42	max
<b>B</b>	4.20	0.13
<b>C</b>	5.30	0.13
<b>D</b>	4.85	max
<b>E</b>	4.90	max
<b>F</b>	0.51	0.13
<b>G</b>	0.51	0.13
<b>H</b>	1.02	0.13
<b>I</b>	1.02	0.13
<b>J</b>	6.03	max

## Electrical response



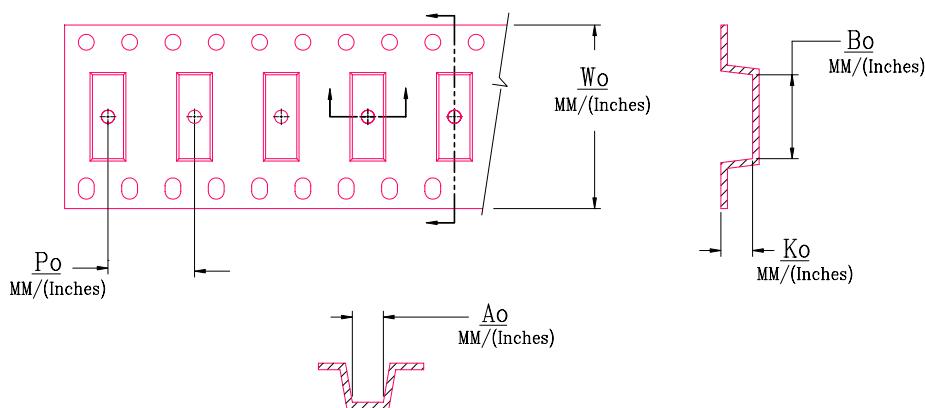
## PCB Layout



## Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	3.1
REEL QUANTITY	ea.	500

Customer Feed Direction  
→ → →



MODEL NO.	<u>W</u> <sub>0</sub>	<u>A</u> <sub>0</sub>	<u>B</u> <sub>0</sub>	<u>K</u> <sub>0</sub>	<u>P</u> <sub>0</sub>
CER0171	24.0/(0.945)	6.30/(0.248)	16.7/(0.657)	5.10/(0.201)	12.0/(0.472)