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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Features
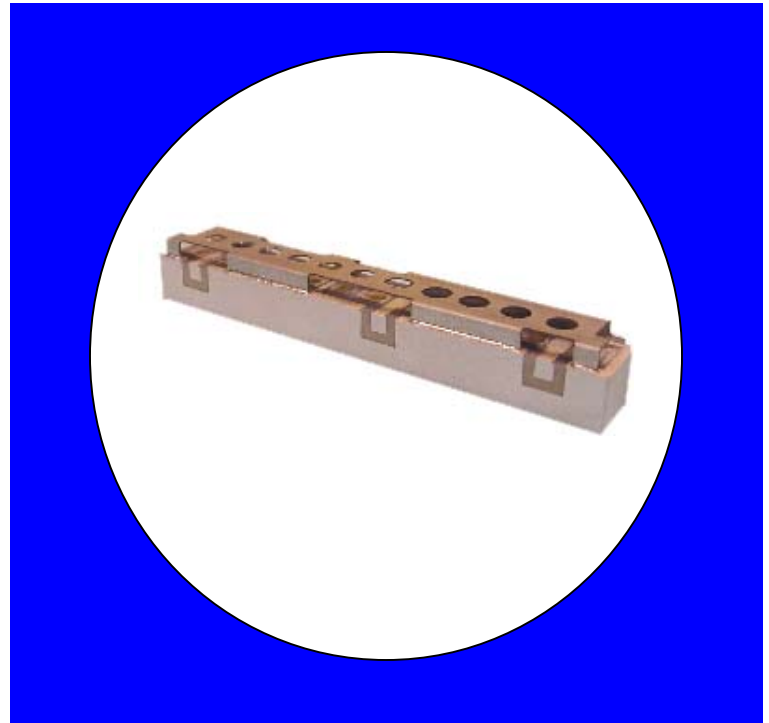• Low Loss
• Low Ripple
• High Rejection

Description
Surface mount, silver (Ag) coated ceramic duplexer. Developed for use in InMarSat Infrastructure applications.

Weight: 22.1 grams typical

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

Filter complies with RoHS standards.

Electrical Specifications

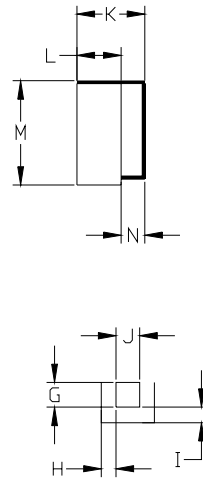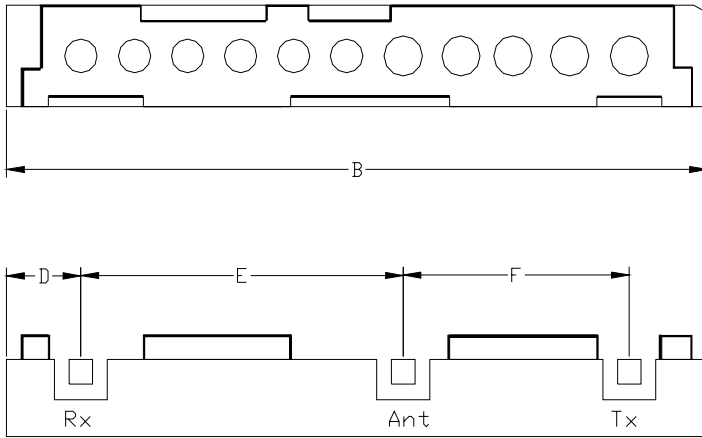| Parameter	Frequency (MHz)	Typical @ 25ºC	Spec. @ 25ºC	Spec. over -40ºC to +55ºC
TX to Antenna Response				
Passband Insertion Loss	1626.5-1660.5	0.75 dB	0.9 dB max	1.0 dB max
Passband Ripple	1626.5-1660.5	0.2 dB	0.5 dB max	0.5 dB max
Passband Return Loss @ TX	1626.5-1660.5	14.5 dB	10.0 dB min	10.0 dB min
Attenuation:	1525-1559	68.2 dB	65.0 dB min	65.0 dB min
Antenna to RX Response				
Passband Insertion Loss	1525-1559	0.75 dB	0.9 dB max	1.0 dB max
Passband Ripple	1525-1559	0.15 dB	0.5 dB max	0.5 dB max
Passband Return Loss @ ANT	1525-1559	19.5 dB	10.0 dB min	10.0 dB min
Attenuation:	1626.5-1660.5	66.2 dB	65.0 dB min	65.0 dB min
TX to RX Response				
Rejection @ TX	1626.5-1660.5	68.0 dB	65.0 dB min	65.0 dB min
Rejection @ RX	1525-1559	68.0 dB	65.0 dB min	65.0 dB min
Power into any port		5 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

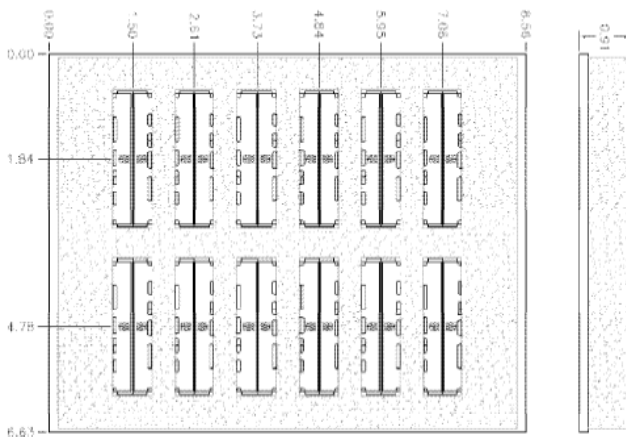| Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	60.8	max
C		
D	6.43	0.25
E	27.82	0.13
F	19.49	0.13
G	2.03	0.13
H	1.27	0.13
I	1.27	0.13
J	2.03	0.13
K	9.25	max
L	6.69	0.25
M	10.59	max
N	2.29	0.13

PCB Layout
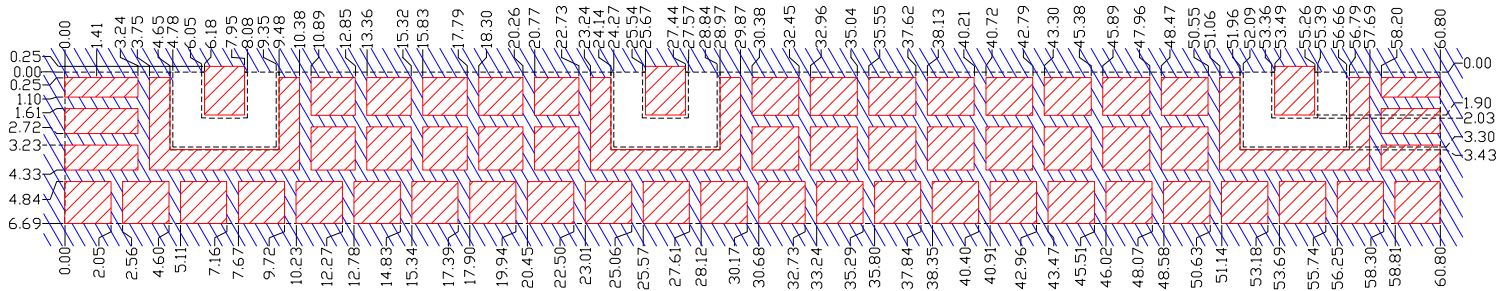
- - - - - - Filter Outline
///// Exposed Conductor
- - - - Solder Resist Over Dielectric
\\\\\ Solder Resist Over Conductor

Packaging and Marking
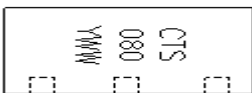
Product is shipped in preformed foam trays

The trays have 12 slots each with 2 filters per slot. Boxes are packed with 5 Trays per box for a total of 120 filters per box.

Electrical response