Features
• Narrow Bandwidth
• Excellent Rejection
• Good Power Handling

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

Weight: 15.1 grams typical

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

Filter complies with RoHS standards.

Electrical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Frequency (MHz)</th>
<th>Typical @ 25°C</th>
<th>Spec. @ 25°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passband Insertion Loss</td>
<td>1085-1095</td>
<td>4.2 dB</td>
<td>4.5 dB max</td>
</tr>
<tr>
<td>Passband Return Loss</td>
<td>1085-1095</td>
<td>10.5 dB</td>
<td>10.0 dB min</td>
</tr>
<tr>
<td>Attenuation</td>
<td>1065</td>
<td>57.2 dB</td>
<td>55.0 dB min</td>
</tr>
<tr>
<td>Attenuation</td>
<td>1113</td>
<td>67.3 dB</td>
<td>55.0 dB min</td>
</tr>
<tr>
<td>Power Rating</td>
<td></td>
<td></td>
<td>5W</td>
</tr>
<tr>
<td>Impedance</td>
<td></td>
<td></td>
<td>50 Ω</td>
</tr>
</tbody>
</table>

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 5,146,163; EP 0573597; DE 0573597; FR 0573597; JP 508149/92; KR 142171; US 5,162,780; US 5,192,320; US 5,320,916; US 5,327,100; US 5,485,330; CA 2214029; FR 006020; GB 2273393; JP 3206378; KR 115113; CN 93106228.4; US 5,512,866; EP 0706719; DE 0706719; FR 0706719; GB 0706719; CN 99190359.4; US 5,602,518; US 5,721,320; US 5,745,018; EP 0910875; DE 0910875; DK 0910875; FR 0910875; GB 0910875; JP 05051208; KR 10-323013; US 5,904,078; US 6,462,010; 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**

![Mechanical Drawing Diagram]

**Electrical response**

![Electrical Response Chart]

**PCB Layout**

![PCB Layout Diagram]

**Packaging and Marking**

This product is shipped in pre-formed foam trays.

KFF6444A  
CTS  
YWK  

7 15 Slot Foam Trays  
(210 per box max)