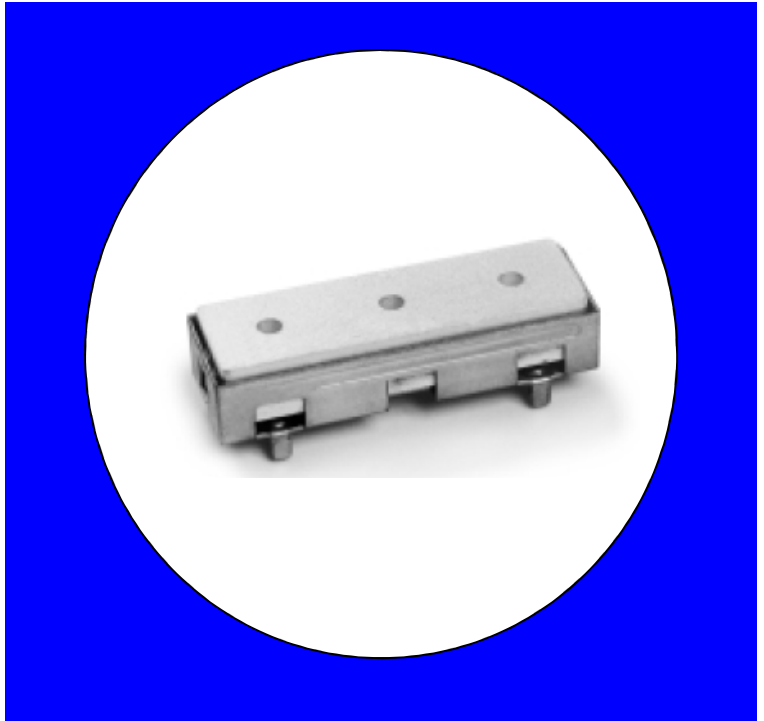# KFF6106A

1090 MHz TCAS BPF

Features
• Low Loss
• Narrow Bandwidth
• Excellent Return Loss

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

Weight: 20.1 grams typical

Material: Filter is composed of a ceramic block plated with Ag and a bracket made of 60-40 tin lead plated cold roll steel.

Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25ºC	Spec. @ 25ºC	Spec. @ -40ºC to +85ºC
Passband Insertion Loss	1087-1093	0.7 dB	1.0 dB max	1.2 dB max
Passband Return Loss	1087-1093	18.0 dB	12.5 dB min	12.0 dB min
Attenuation	970	44.0 dB	40.0 dB min	40.0 dB min

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:
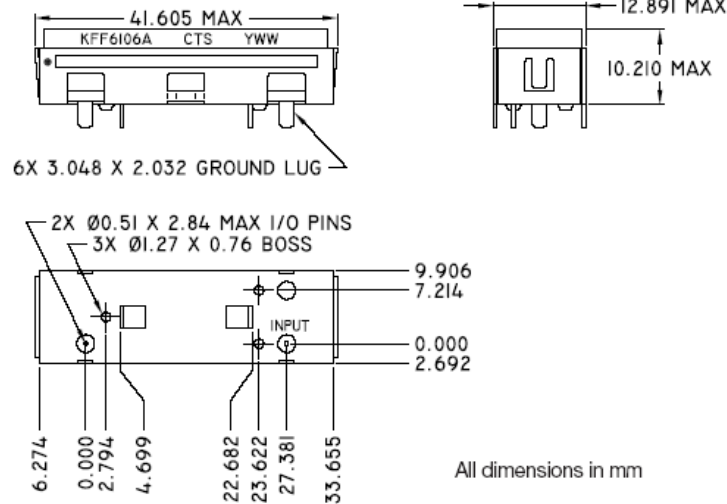
Specification Allowance

Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

- CTS Electronic Components - www.ctscorp.com - 171 Covington Drive - Bloomingdale, IL 60108 -

Mechanical Drawing

Rev 1 – Origin Date: July 11, 2005 – Revision Date: February 14, 2017

41.605 MAX

KFF6106A   CTS   YWW

12.891 MAX

10.210 MAX

6X 3.048 X 2.032 GROUND LUG

2X Ø0.51 X 2.84 MAX I/O PINS
3X Ø1.27 X 0.76 BOSS

INPUT

9.906
7.214
0.000
2.692

6.274
0.000
2.794
4.699
22.682
23.622
27.381
33.655

All dimensions in mm

Electrical response

PCB Layout

2X 2.464
3X 0.000
2X 9.677

3X 0.000
2.794
4.928
22.454
2X 23.622
3X 27.381

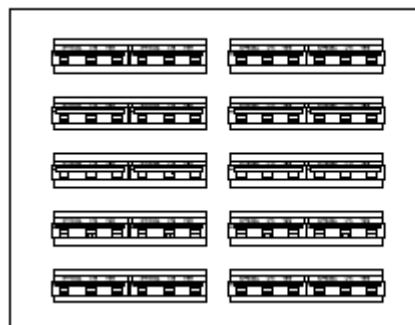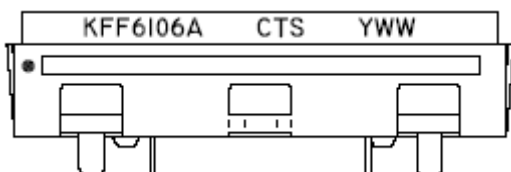VIEW LOOKING DOWN ON FILTER TO PC BOARD
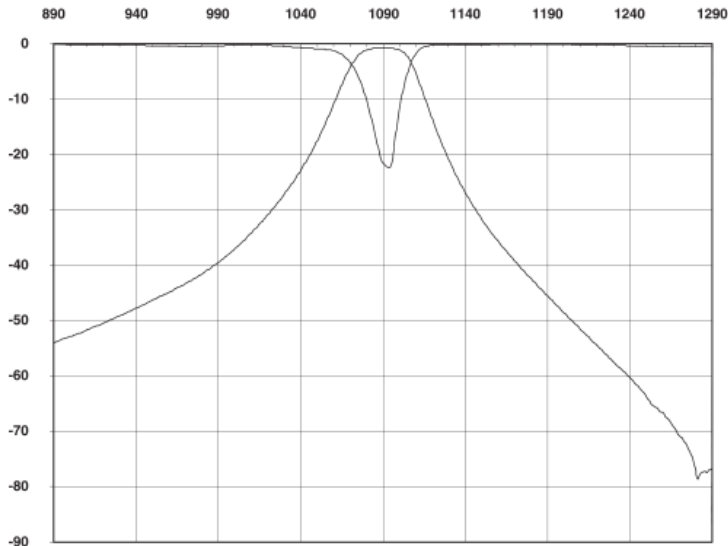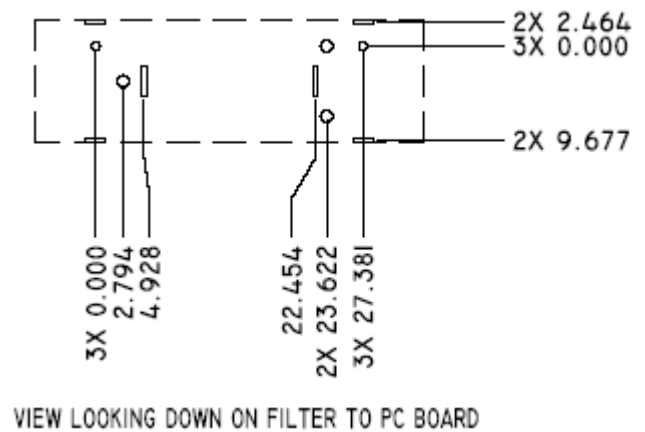
Packaging and Marking

KFF6106A   CTS   YWW

This product is shipped in pre-formed foam trays.

5 10 Slot foam Trays

(100 max. per box)