

To \_\_\_\_\_

No. A201-040403B-01

Date 3rd Apr. '04

Type No.  
**GRBA1**

Data Sheet

<b>GPS Rx SAW Filter</b>	
Application	: Rx Filter for GPS
Center Frequency	: 1575.42MHz
Size	: 2.0x1.6mm, 4pin-layout
Impedance	: 50-50ohms unbalance-unbalance
Part No.	: EFCH1575TCB1

Issued *Y. Watanabe*  
Check *K. Nishimura*

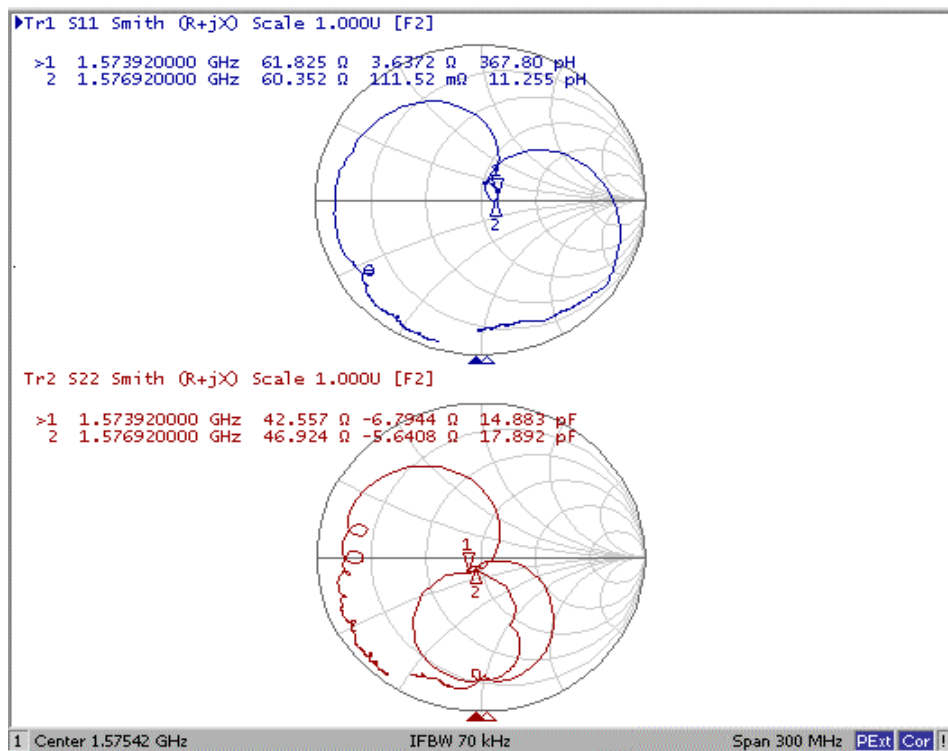
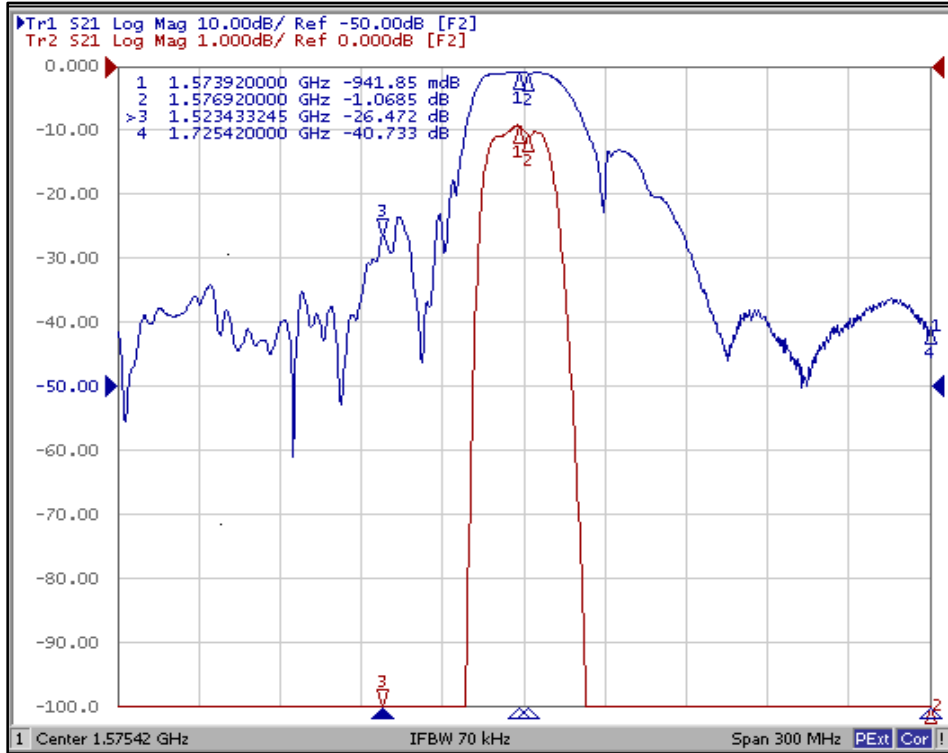
CIRCUIT COMPONENTS BUSINESS UNIT  
**MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD**  
KADOMA, OSAKA, JAPAN

**GPS RF SAW Filter, 1575.42MHz**  
**Design No. duuw001R**  
**== Preliminary Specification ==**

Parameter	Frequency (Comments)	Your requirements			Our Spec.			unit
		min	Typ	max	min	Typ	max	
		Center Frequency	Fo				1575.42	
Insertion Loss	Fo±1.5MHz				1.15	1.35	dB	
Ripple in Passband	Fo±1.5MHz				0.1	0.2	dB	
Attenuation	ATT1	810-960 MHz			30	37	dB	
	ATT2	1354-1357 MHz			35	41	dB	
	ATT3	1429-1525 MHz			23	27	dB	
VSWR	Fo±1.5MHz				1.2	1.5		
Operating Temperature					-30	25	80	°C
Terminate impedance					50		ohm	

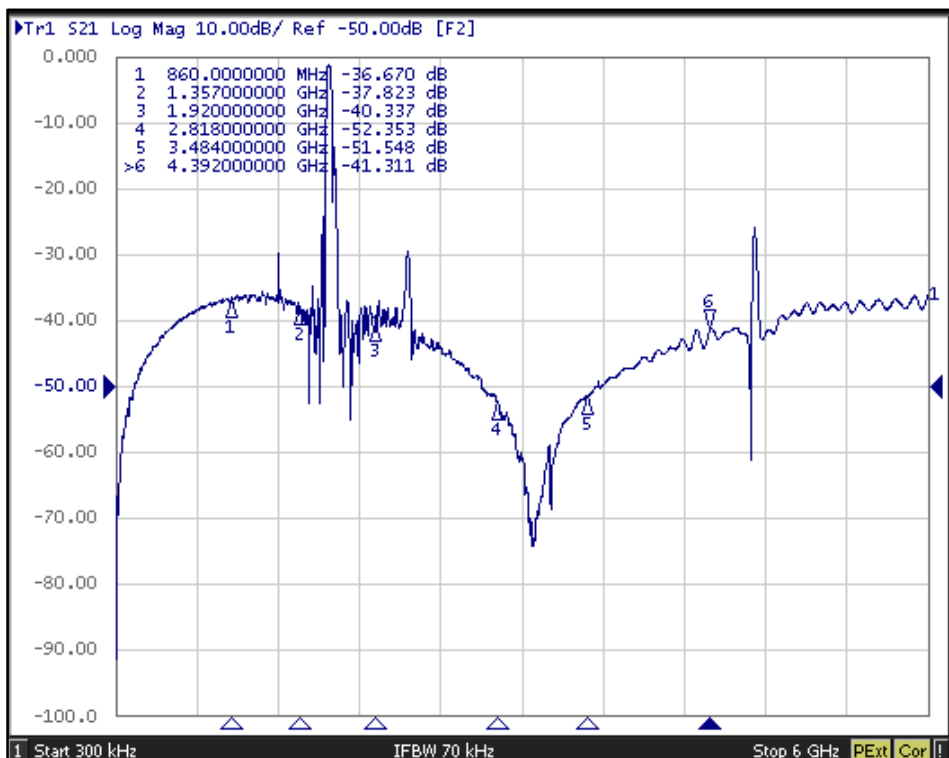
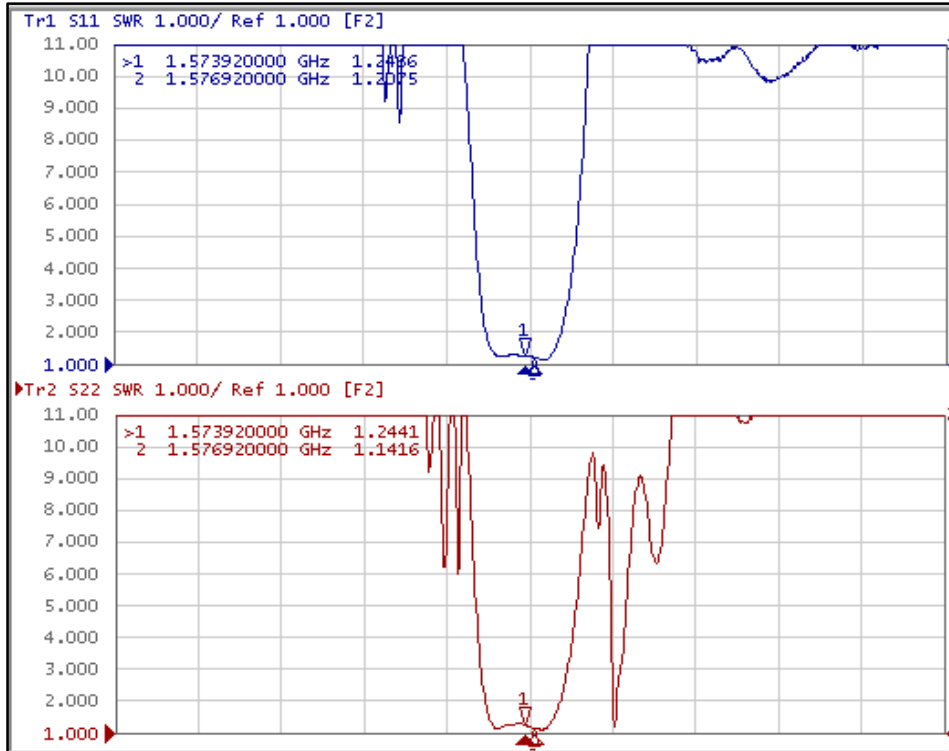
# GPS Rx SAW Filter

Design No duuw001R



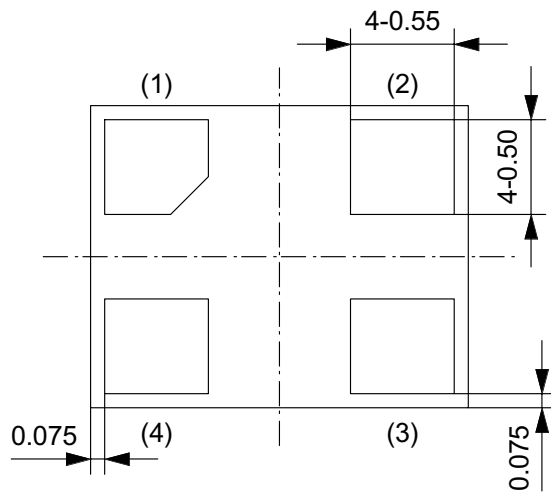
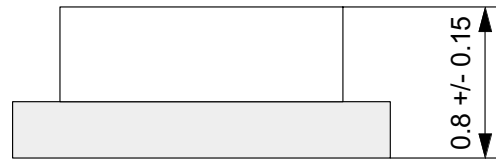
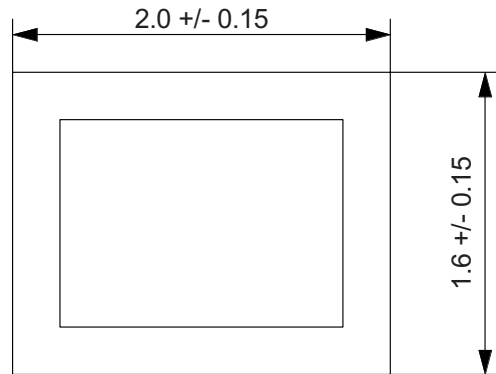
# GPS Rx SAW Filter

Design No duuw001R



THIRD ANGLE PROJECTION

Tolerance : +/-0.05



- (1) Input
- (2) GND
- (3) Output
- (4) GND

**Note :**  
The design manufacturing process,  
and Specification of this device  
are subject to change without  
notice.

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

*Under Development*

UNLESS OTHERWISE SPECIFIED

BASIC DIMENSIONS		TOLERANCE
UP TO	INCL	
TO	INCL	
TO	INCL	
TO	INCL	
ABOVE		

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ISSUE	REVISIONS	DATE
MATERIAL	FINISH	SCALE
DESIGN		
DRAW		
CHECK		
APPROVAL		
DRAWING NO.		

NAME	TYPE NO.
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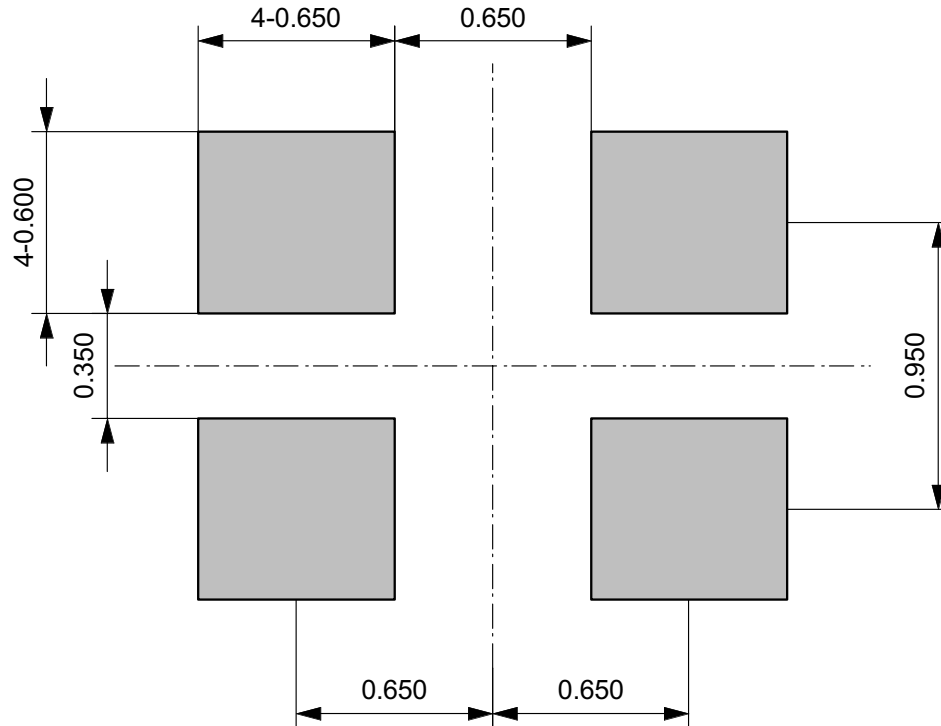
**SAW Filter**  
  
**CERAMIC BUSINESS UNIT, LCR DEVICE COMPANY**  
**MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD.**  
**KADOMA, OSAKA, JAPAN**



THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED		
BASIC DIMENSIONS		TOLERANCE
UP TO	INCL	
TO	INCL	
TO	INCL	
TO	INCL	
ABOVE		

**Recommended land pattern**



**Note :**  
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ISSUE	REVISIONS	DATE
MATERIAL	FINISH	SCALE
DESIGN		
DRAW		
CHECK		
APPROVAL		
DRAWING NO.		

NAME	SAW Filter	TYPE NO.
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**CERAMIC BUSINESS UNIT, LCR DEVICE COMPANY  
 MITSUBISHI ELECTRONIC COMPONENTS CO.,LTD.  
 KADOMA, OSAKA, JAPAN**