No. A226-040403B-01

Date 3rd Apr. '04



Data Sheet

GPS Rx SAW Filter			
Application	: Rx Filter for GPS		
Center Frequency	: 1575.42MHz		
Size	: 2.0x1.4mm, 5pin-layout		
Impedance	: 50-100ohms		
	unbalance-balance		
Part No.	: EFCH1575TCA1		

Issued <u>U. Watanabe</u>
Check <u>X. Nishimura</u>

CIRCUIT COMPONENTS BUSINESS UNIT

MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD

KADOMA, OSAKA, JAPAN

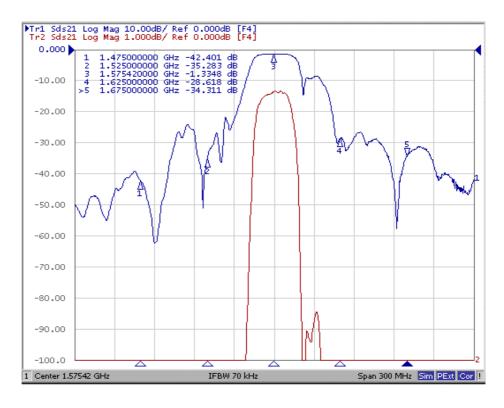
GPS RF SAW Filter, 1575.42MHz Design NO. dubw027 == Preliminary Specification ==

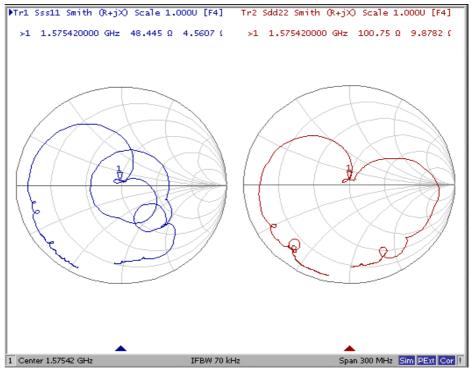
Parameter		Frequency	Your requirements		Our puropusal				
		(MHz)	Min.	Тур.	Max.	Min.	Тур.	Max.	Unit
Center Frequency (fo)		(IVII IZ)	IVIII I.	1575	IVIAX.	IVIII I.	1575.4	WIGA.	
Insertion Loss		1575.42 MHz			1.8		1.1	1.5	dB
Pass band ripple		1574.42 to 1576.42MHz			0.7		0.1	0.3	dBpp
	Att1	<1475MHz	30			35	42		
	Att2	1475 to 1525MHz	10			20	25		
Attenuation	Att3	1625 to 1675MHz	10			20	27		dB
	Att4	1675 to 3155MHz	30			30	35		
	Att5	>3155MHz	20			30	43		
Mean Square Phase Err	or	1574.42 to 1576.42MHz			1		0.4	0.8	°rms
Phase Imbalance					+/-20	-20	5	20	Degree
Amplitude Imbalance					+/-2	-2	0.8	2	dB
In/Out VSWR		1574.42-1576.42		1.1	1.5		1.1	1.5	
Terminate impedance(in)	Single-ended		50			50		ohm
(c	out)	Differential		100			100		ohm
Operating Temperature			-30	25	85	-30	25	85	°C

a value which pulled JIG Loss: 0. 2dB.

GPS Rx SAW Filter

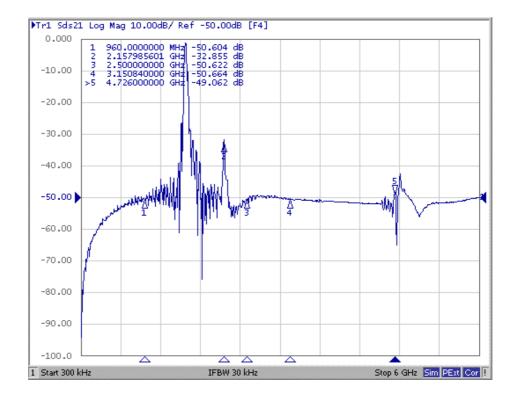
Design No dubw027





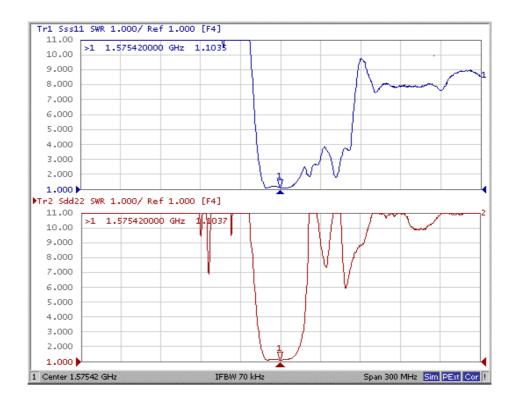
GPS Rx SAW Filter

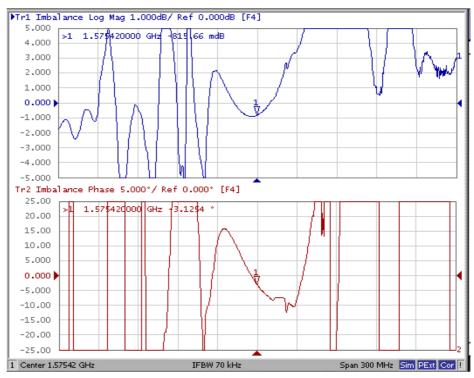
Design No dubw027



GPS Rx SAW Filter

Design No dubw027



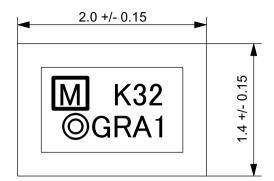


THIRD ANGLE PROJECTION

Tolerance: +/-0.05

Under Development

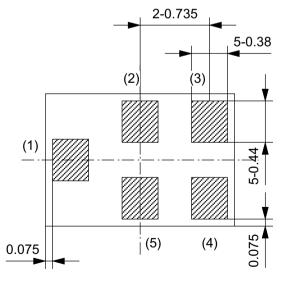
UNLESS	OTHERWISE S	PECIFIED
BASIC DIM	ENSIONS	TOLERANCE
UP TO	INCL	
то	INCL	
то	INCL	
то	INCL	
ABOVE		



Marking

- (1): Type Symbol
- (2): Date Code 3 YEAR 2 MONTH
- (3): Factory Copde (Show the production place as below) K:MACO





REVISIONS INDICATED BY Æ

DO NOT SCALE DRAWING

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

Note

are subject to change without

ALL DIMENSIONS ARE IN MILLIMETERS

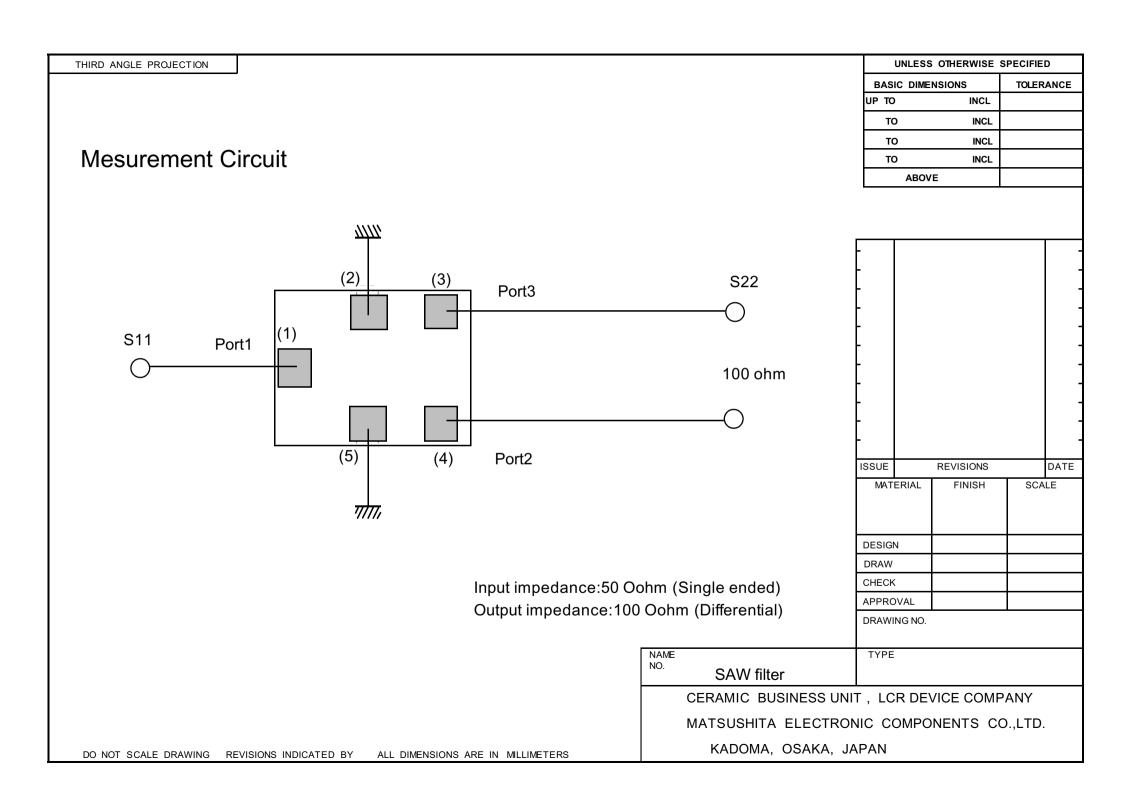
itoto :
The design manufacturing process
and Specification of this device

notice.

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

NAME SAW Filter

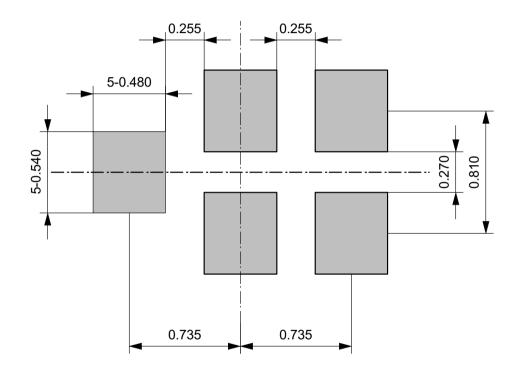
> **CERAMIC BUSINESS UNIT, LCR DEVICE COMPANY** MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD. KADOMA, OSAKA, JAPAN



THIRD ANGLE PROJECTION

Recommended land pattern

UNLESS OTHERWISE SPECIFIED			
BASIC DIM	TOLERANCE		
UP TO	INCL		
то	INCL		
то	INCL		
то	INCL		
ABOVE			



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MATERI. DESIGN	N		SCALE	DATE
MATERI DESIGN DRAW	N		SCALE	DATE
DESIGN DRAW CHECK	N VAL		SCALE	DATE
DESIGN DRAW CHECK APPRO	VAL NG NO.		SCALE	DATE

Note:

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

SAW Filter

NAME

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KADOMA, OSAKA, JAPAN

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS