

To \_\_\_\_\_

No. ZGSM-040403M-01

Date 3rd Apr. '04

Type No.  
**ERDA2**

Data Sheet

<b>EGSM900 Rx SAW Filter</b>	
Application	: Rx Filter for EGSM900
Center Frequency	: 942.5MHz
Size	: 2.0x1.4mm, 5pin-layout
Impedance	: 50-50ohms unbalance-unbalance
Part No.	: EFCH942MTCD1

Issued *A. Tsunekawa*  
Check *K. Nishimura*

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

**EGSM900 Rx SAW Filter**

----- Unbalanced input and unbalanced output -----

Part No. :

Design No. : T942CL1

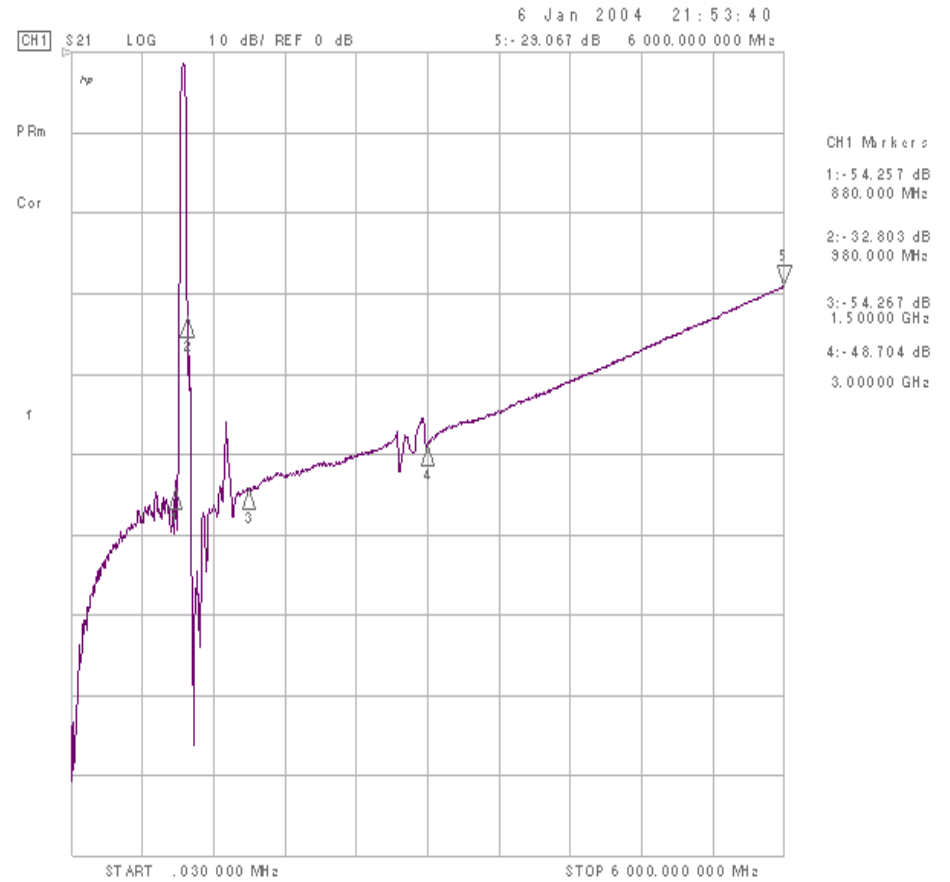
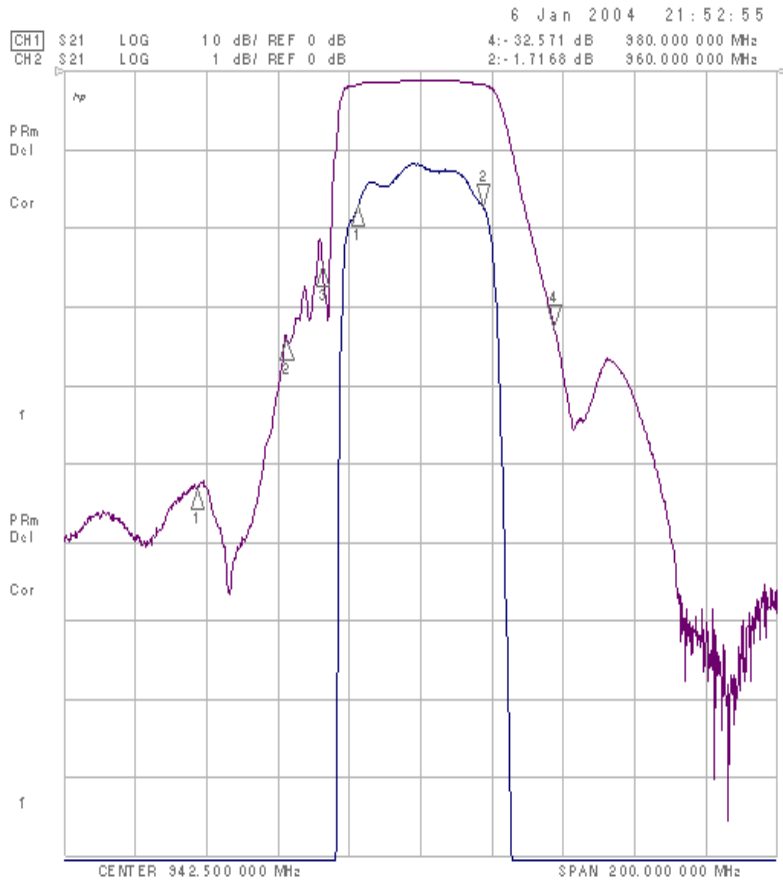
Parameter		Frequency	Your request			Our Specification			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			925 ... 960			925 ... 960			MHz
Insertion loss		925 ... 960MHz					1.7	2.4	dB
Ripple in passband		925 ... 960MHz					0.6	1.5	dB
Attenuation	Att1	DC ... 880MHz				30	60		dB
	Att2	880 ... 905MHz				23	32		dB
	Att3	905 ... 915MHz				18	21		dB
	Att4	980 ... 1500MHz				26	32		dB
	Att5	1500 ... 3000MHz				30	46		dB
	Att6	3000 ... 6000MHz				20	29		dB
VSWR	Input	925 ... 960MHz					1.5	2.0	
	Output	925 ... 960MHz					1.5	2.0	
Input impedance (Single Ended)						50			Ohm
Output impedance(Single Ended)						50			Ohm
Maximum drive level								13	dBm
Operating temperature						-30		+85	deg. C
Storage temperature						-40		+85	deg. C

# EGSM900 Rx SAW Filter

----- Unbalanced input and unbalanced output -----

Part No. :

Design No. : T942CL1

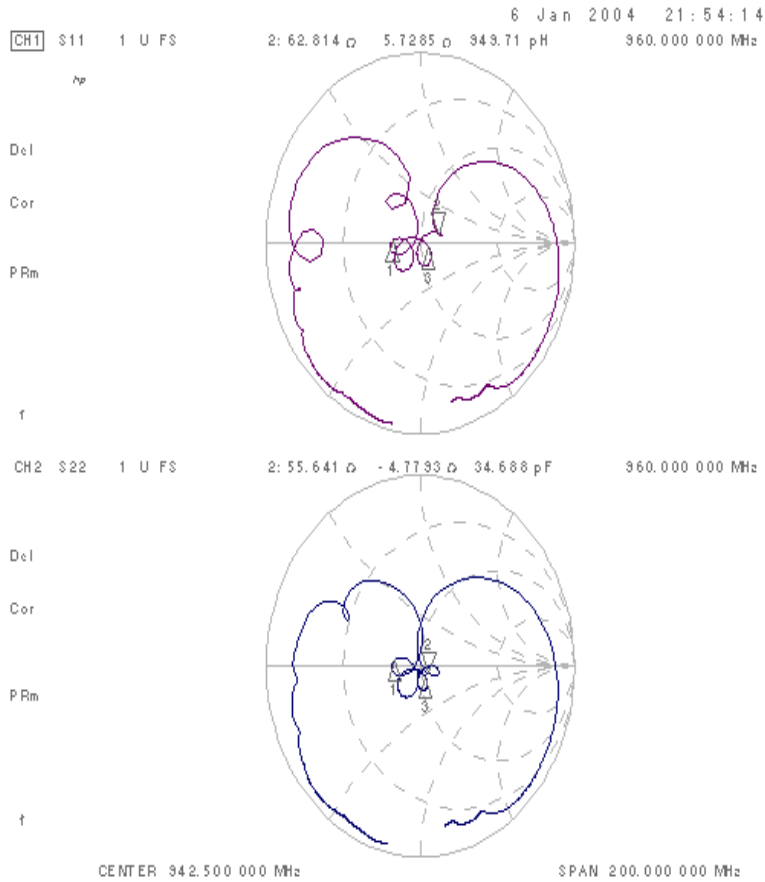


# EGSM900 Rx SAW Filter

----- Unbalanced input and unbalanced output -----

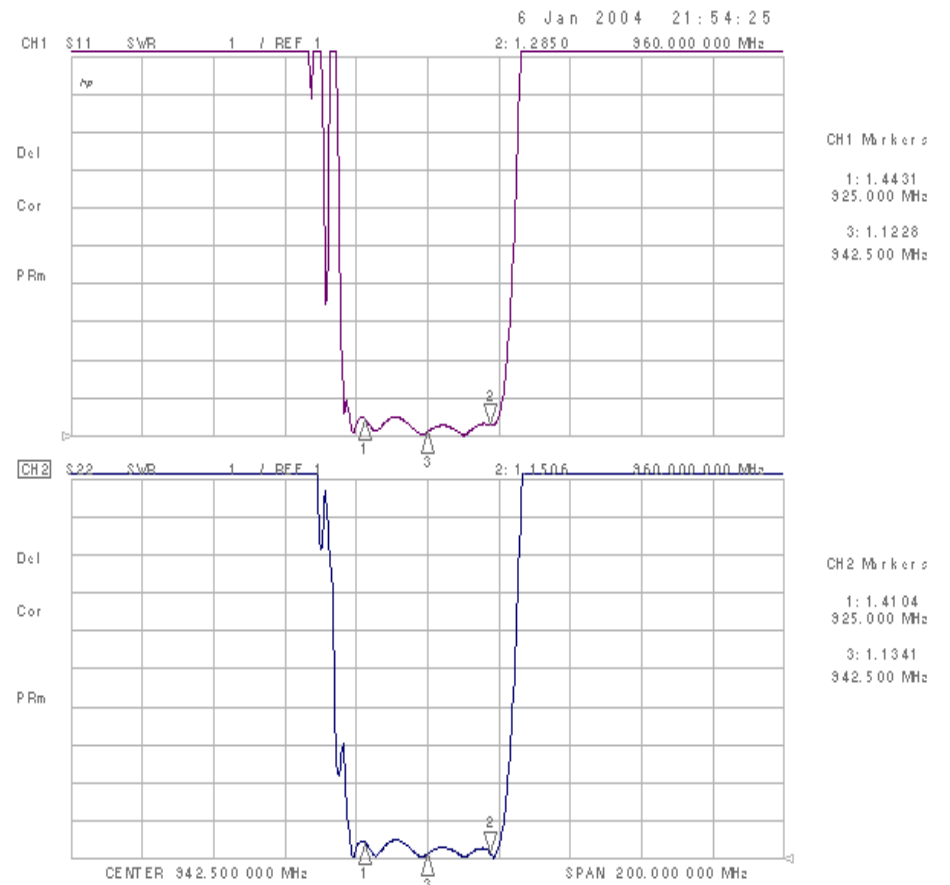
Part No. :

Design No. : T942CL1



CH1 Markers  
1: 34.650  $\Omega$   
0.9258  $\Omega$   
325.000 MHz  
3: 55.592  $\Omega$   
-2.5000  $\Omega$   
342.500 MHz

CH2 Markers  
1: 35.613  $\Omega$   
2.3516  $\Omega$   
325.000 MHz  
3: 52.816  $\Omega$   
-5.8477  $\Omega$   
342.500 MHz



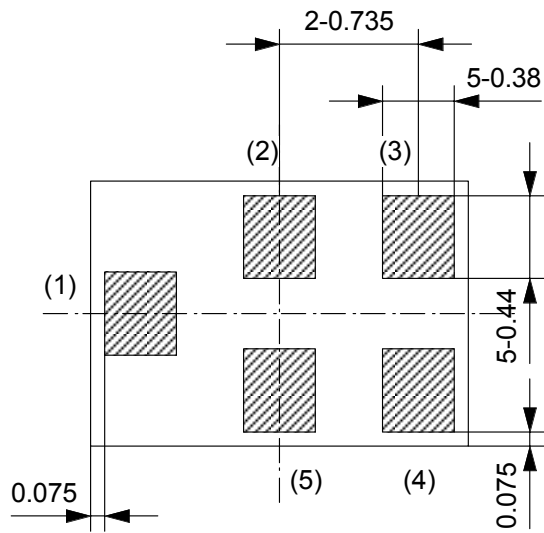
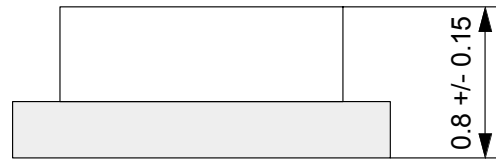
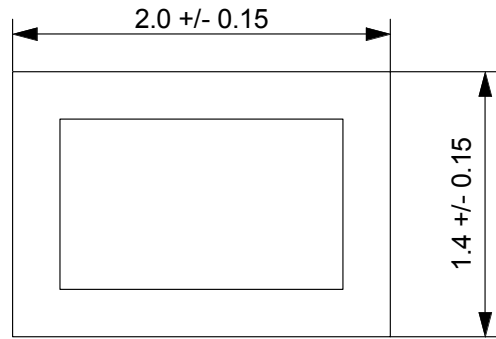
CH1 Markers  
1: 1.4431  
325.000 MHz  
3: 1.1228  
342.500 MHz

CH2 Markers  
1: 1.4104  
325.000 MHz  
3: 1.1341  
342.500 MHz

THIRD ANGLE PROJECTION

Tolerance : +/-0.05

*Under Development*



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

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

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 <b>SAW Filter</b>	TYPE NO.
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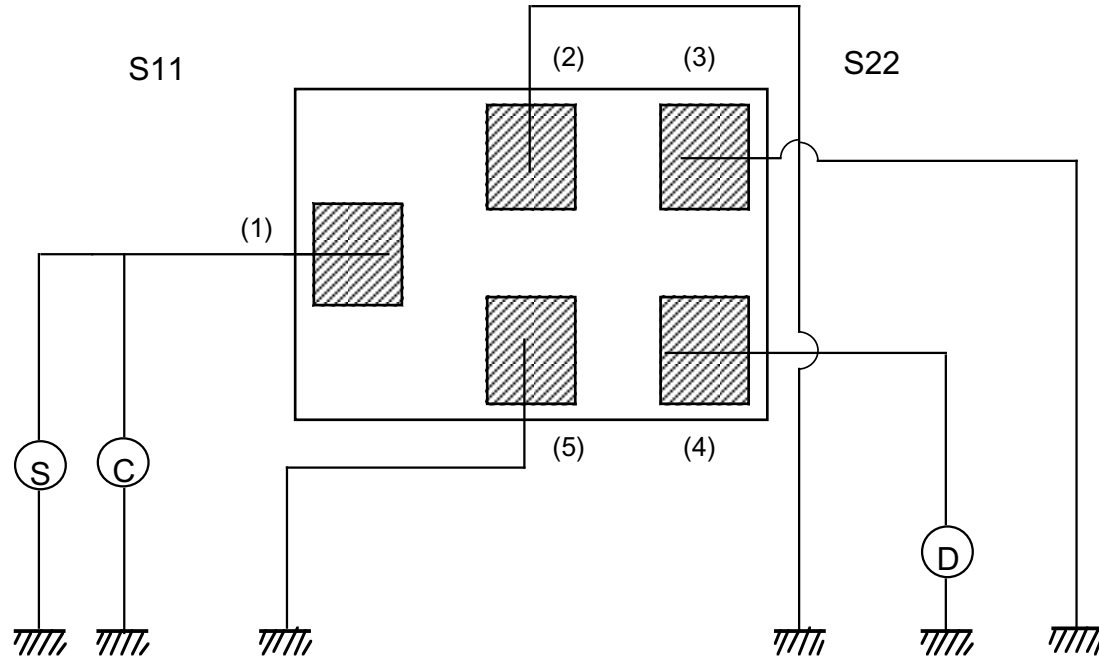
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KADOMA, OSAKA, JAPAN**

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION



0 Level

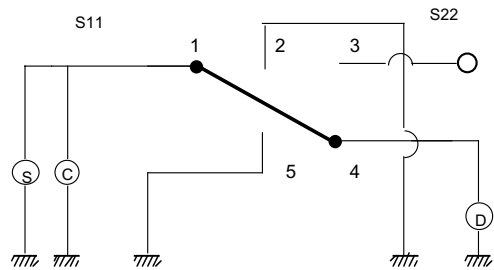


Fig. 2

S : Standard Signal Generator  
(Output Impedance 50 ohm)  
C : Frequency Counter  
D : Detector  
(Input Impedance 50 ohm)

UNLESS OTHERWISE SPECIFIED

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

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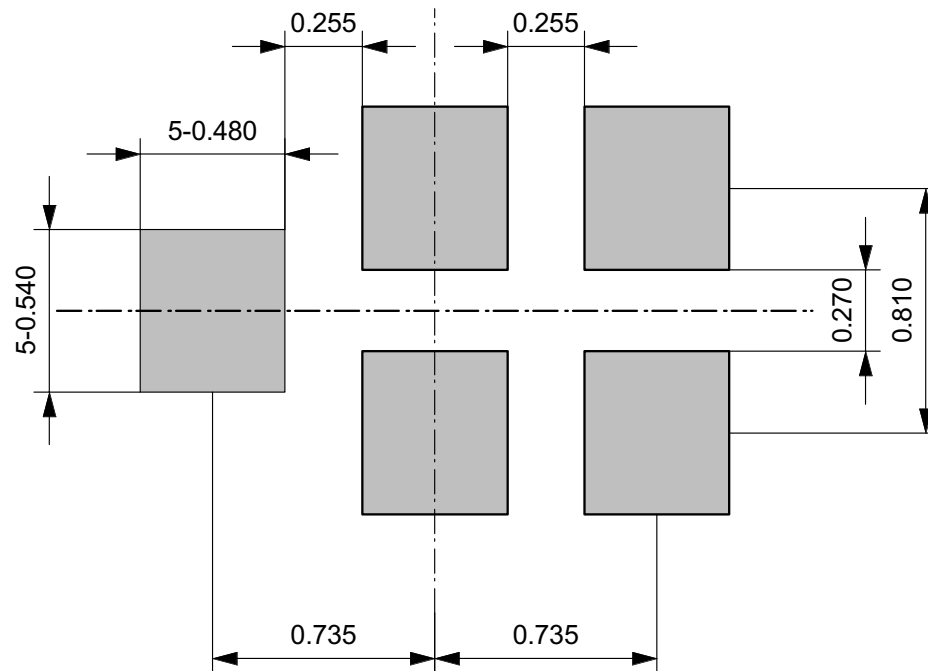
NAME	TYPE NO.
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**SAW filter**

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THIRD ANGLE PROJECTION

**Recommended land pattern**



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UNLESS OTHERWISE SPECIFIED

BASIC DIMENSIONS		TOLERANCE
UP TO	INCL	
TO	INCL	
TO	INCL	
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ABOVE		


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