

To _____

No. ZGSM-040403M-01

Date 3rd Apr. '04



Data Sheet

EGSM900 Rx SAW Filter	
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

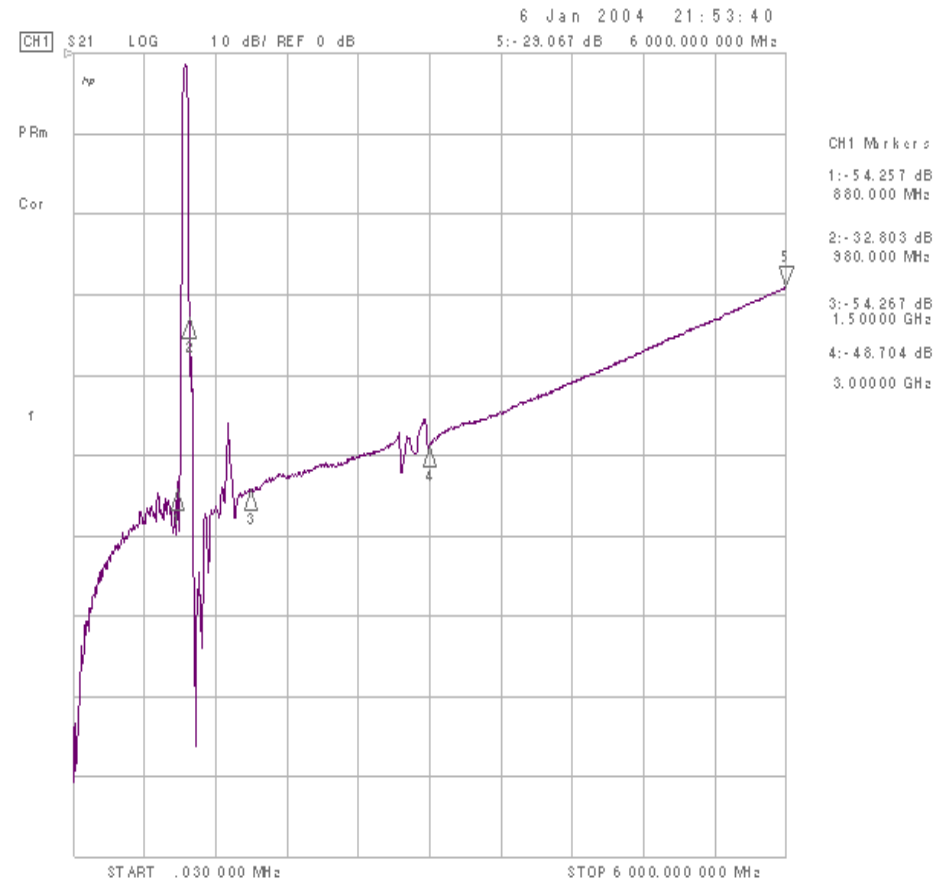
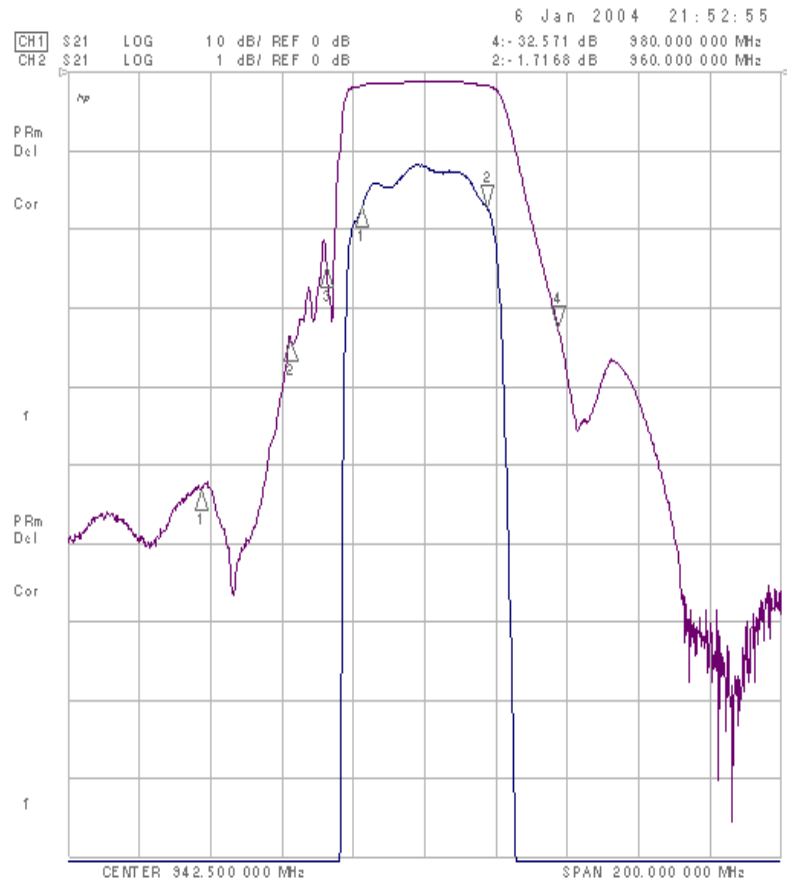
Parameter		Frequency	Your request			Our Specification			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			925 ... 960			925 ... 960			MHz
Insertion loss		925 ... 960MHz					1.7	2.4	dB
Ripple in passband		925 ... 960MHz					0.6	1.5	dB
Attenuation	Att1	DC ... 880MHz				30	60		dB
	Att2	880 ... 905MHz				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

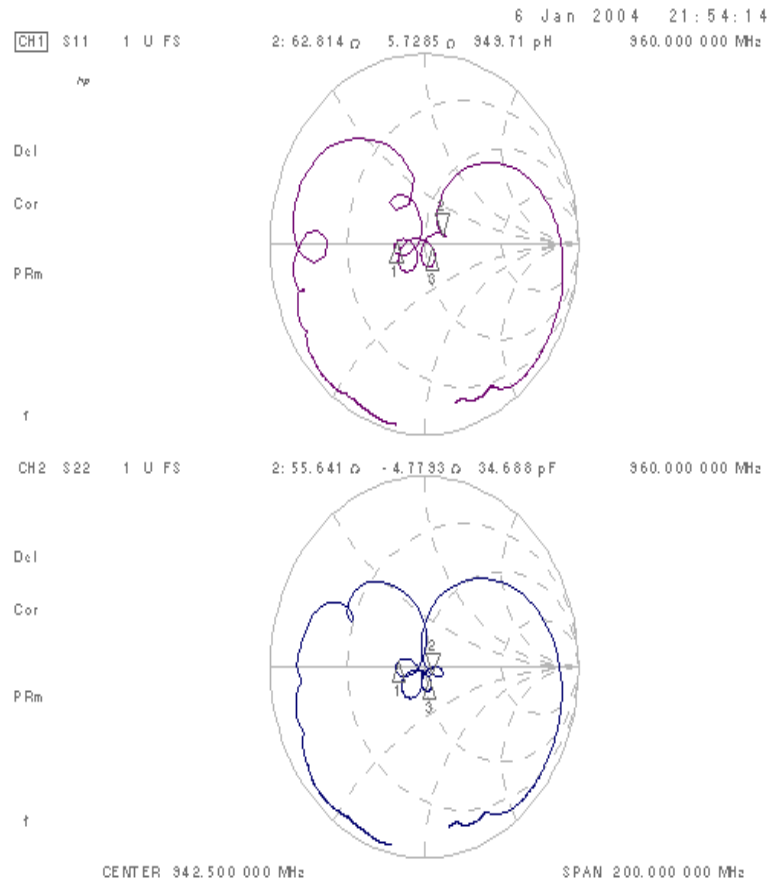


EGSM900 Rx SAW Filter

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

Part No. :

Design No. : T942CL1

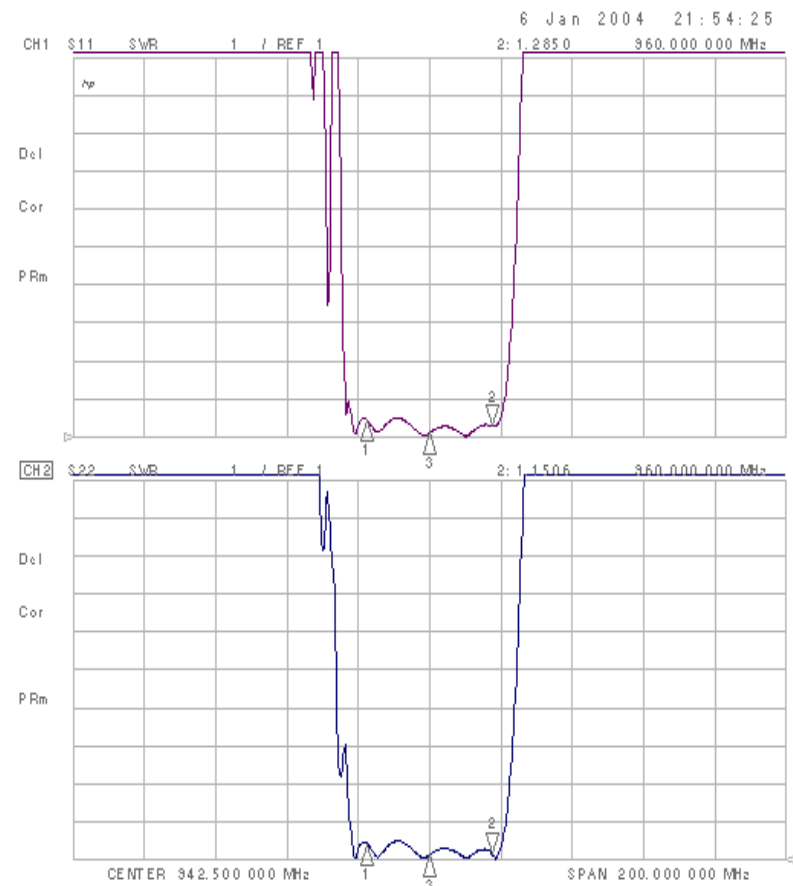


CH1 Markers

1: 34.650 Ω
0.9258 Ω
925.000 MHz

CH2 Markers

1: 35.613 Ω
2.3516 Ω
925.000 MHz



CH1 Markers

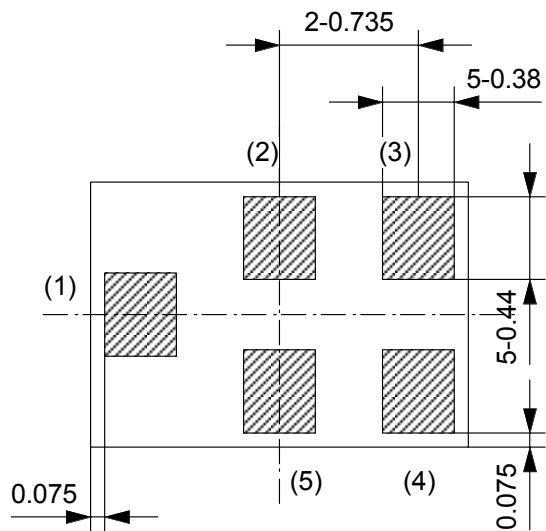
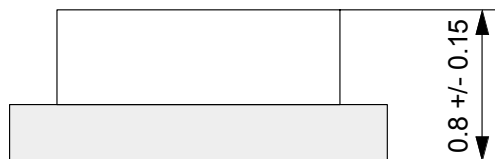
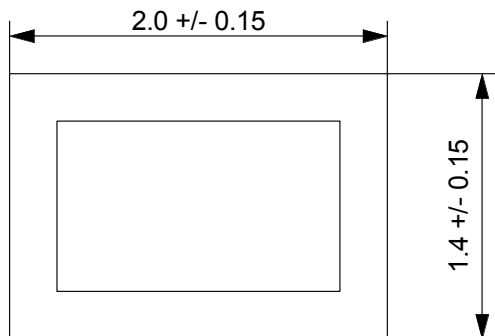
1: 1.4431
925.000 MHz

CH2 Markers

1: 1.4104
925.000 MHz

THIRD ANGLE PROJECTION

Tolerance : +/-0.05



- (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.

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.			
TYPE NO.			

NAME _____

SAW Filter

TYPE NO.	
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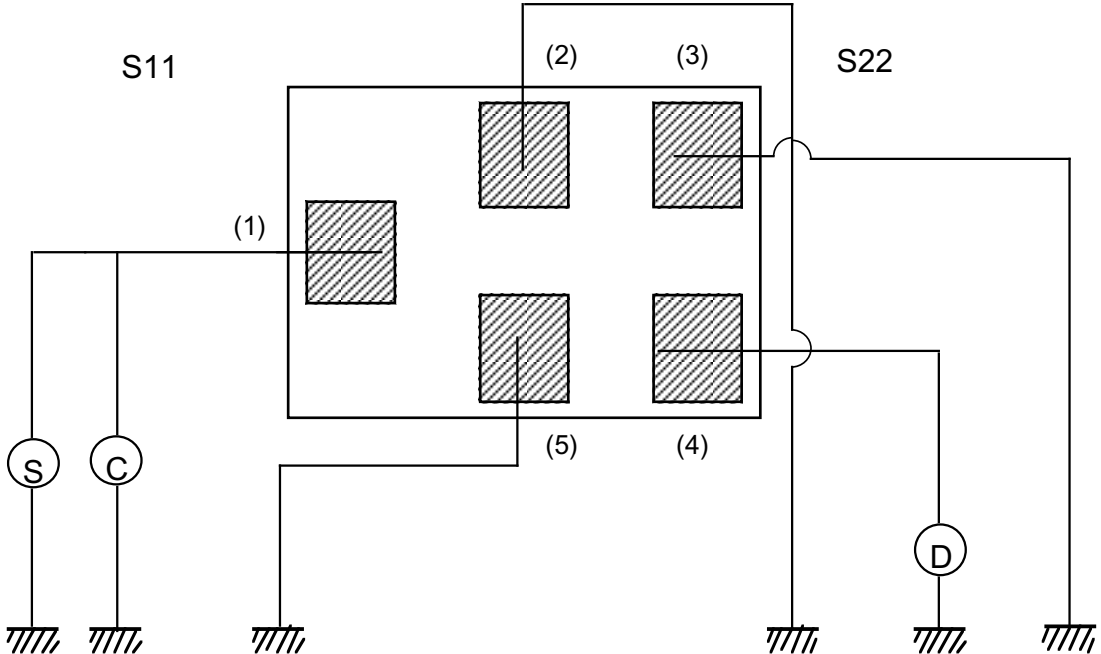
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MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD.
KADOMA, OSAKA, JAPAN**

DO NOT SCALE DRAWING

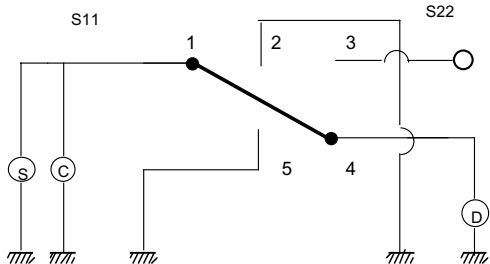
REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION



0 Level



S : Standard Signal Generator
(Output Impedance 50 ohm)

C : Frequency Counter

D : Detector
(Input Impedance 50 ohm)

Fig. 2

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

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

NAME	TYPE NO.
SAW filter	

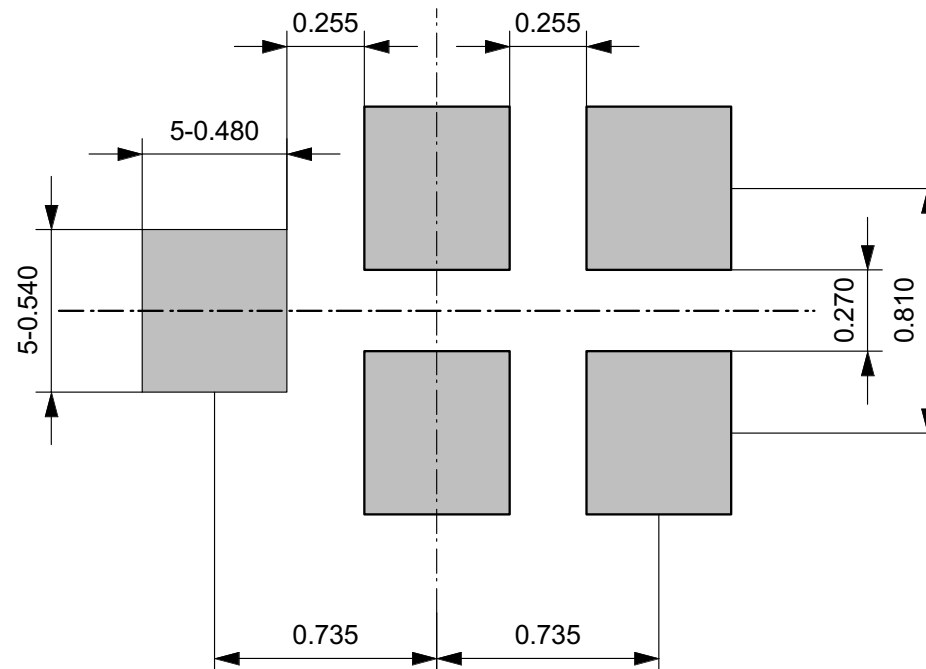
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KADOMA, OSAKA, JAPAN

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED

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

Recommended land pattern



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

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