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Panasonic

To

No. A237-040403N-01

Date 3rd Apr. '04

Type No.
ERAC3

Data Sheet

EGSM900 Rx SAW Filter

Application	: Rx Filter for EGSM900
Center Frequency	: 942.5MHz
Size	: 2.0x1.4mm, 5pin-layout
Impedance	: 50-150ohms unbalance-balance
Part No.	: EFCH942MTCA7

Issued S. Tsuzuki

Check K. Nishimura

CIRCUIT COMPONENTS BUSINESS UNIT

MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD

KADOMA, OSAKA, JAPAN

EGSM900 Rx SAW Filter

----- Unbalanced input and balanced output -----

Part No. :

Design No. : T942TGD

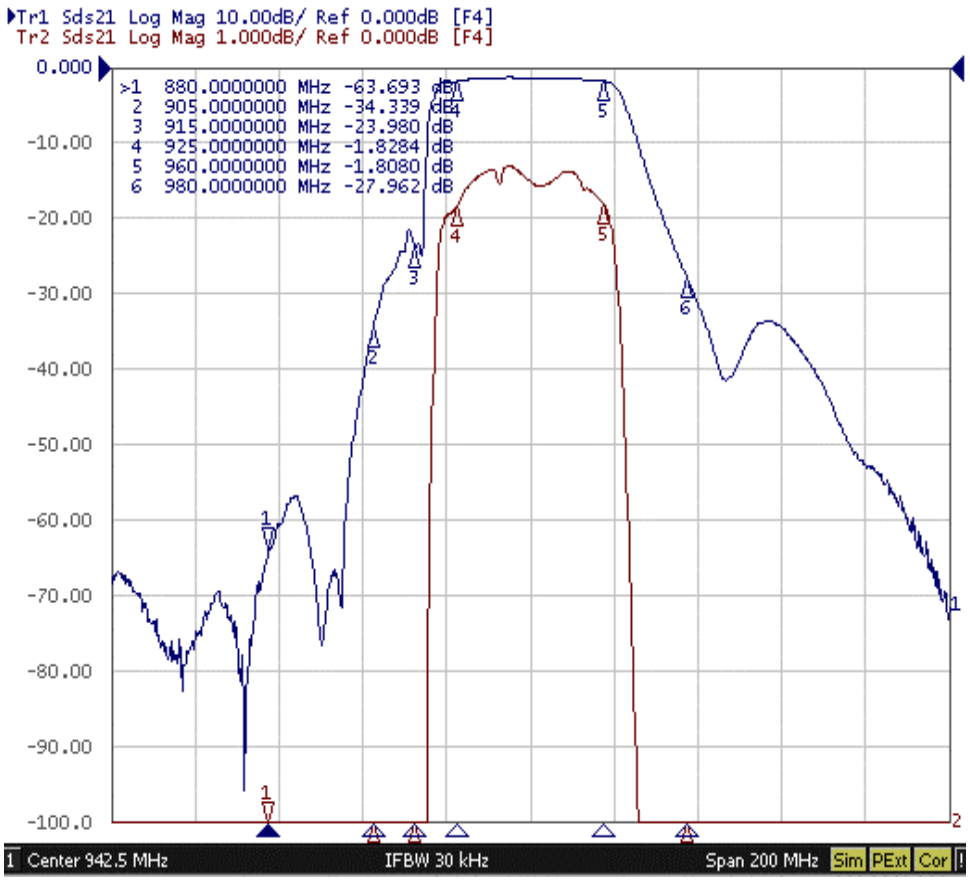
Parameter		Frequency	Your request			Our preliminary spec.			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			925 ... 960			925 ... 960			MHz
Insertion loss		925 ... 960MHz					1.8	2.5	dB
Ripple in passband		925 ... 960MHz					0.5	1.5	dB
Amplitude imbalance		925 ... 960MHz				-0.5	-0.2 ＋0.1	+0.5	dB
Phase imbalance		925 ... 960MHz				-5	-1 +1	+5	deg.
Attenuation	Att1	DC ... 880MHz				50	63		dB
	Att2	880 ... 905MHz				25	34		dB
	Att3	905 ... 915MHz				18	22		dB
	Att4	980 ... 1500MHz				23	28		dB
	Att5	1500 ... 3000MHz				40	60		dB
	Att6	3000 ... 6000MHz				35	60		dB
VSWR	Input	925 ... 960MHz					1.7	2.0	
	Output	925 ... 960MHz					1.6	2.0	
Input impedance (Single Ended)						50			Ohm
Output impedance (Differential)						150 // 82 nH			Ohm
Maximum drive level								13	dBm
Operating temperature						-10		+80	deg. C
Storage temperature						-40		+85	deg. C

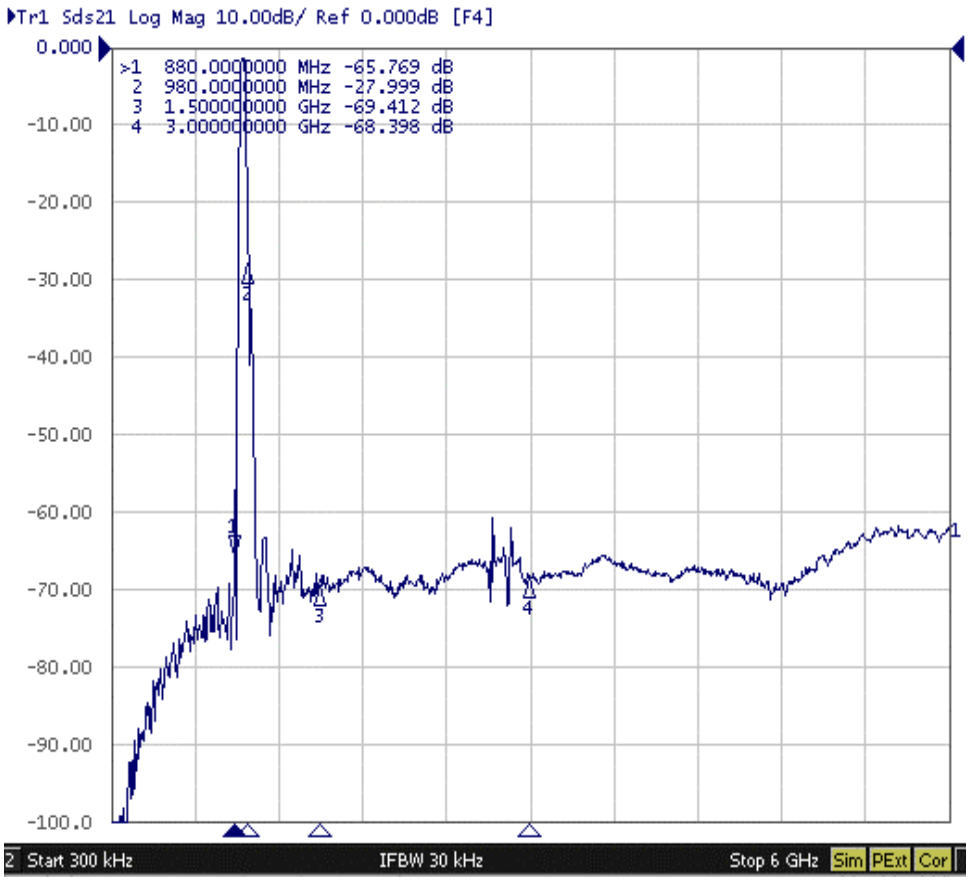
EGSM900 Rx SAW Filter

----- Unbalanced input and balanced output -----

Part No. :

Design No. : T942TGD



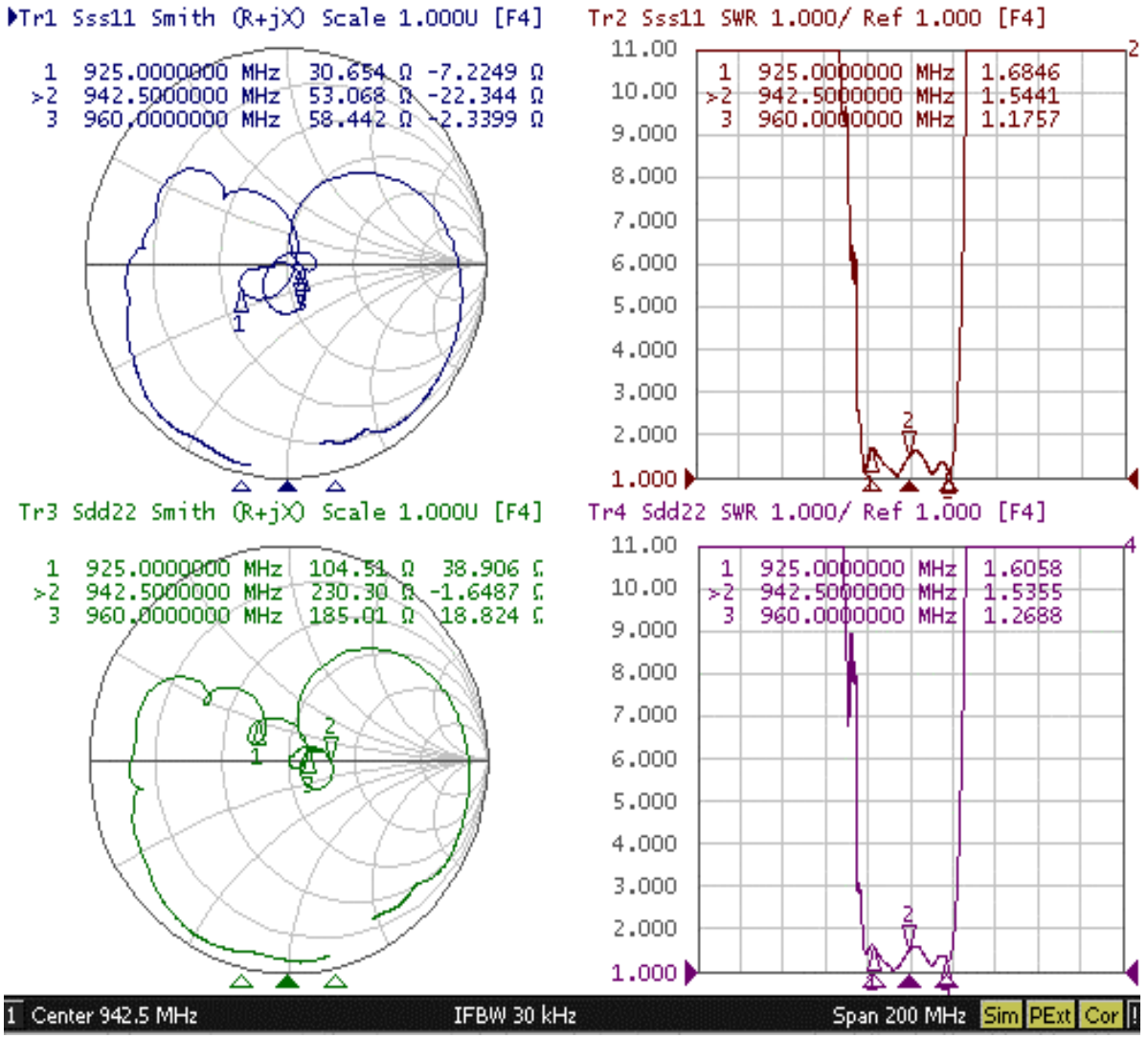


EGSM900 Rx SAW Filter

----- Unbalanced input and balanced output -----

Part No. :

Design No. : T942TGD



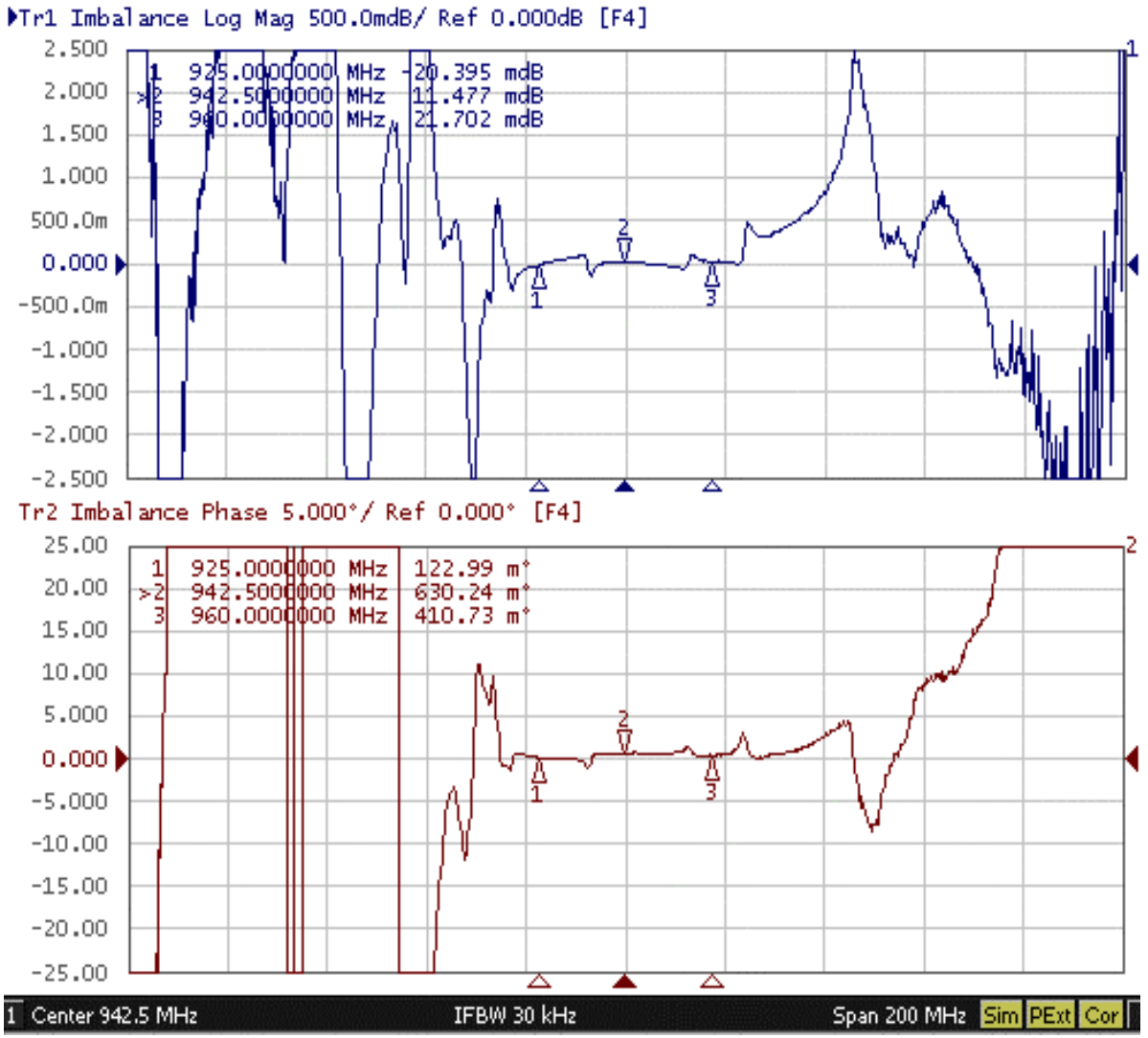
Panasonic

EGSM900 Rx SAW Filter

----- Unbalanced input and balanced output -----

Part No. :

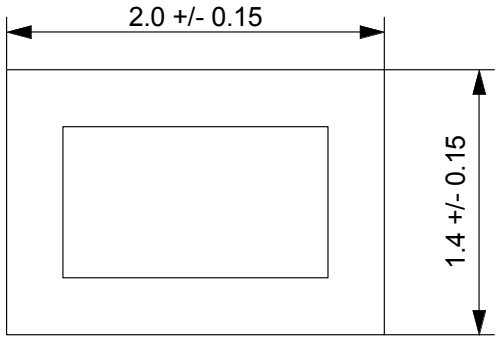
Design No. : T942TGD

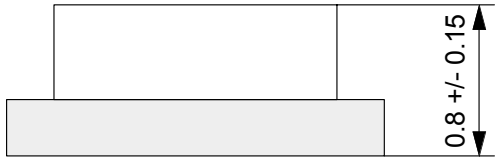


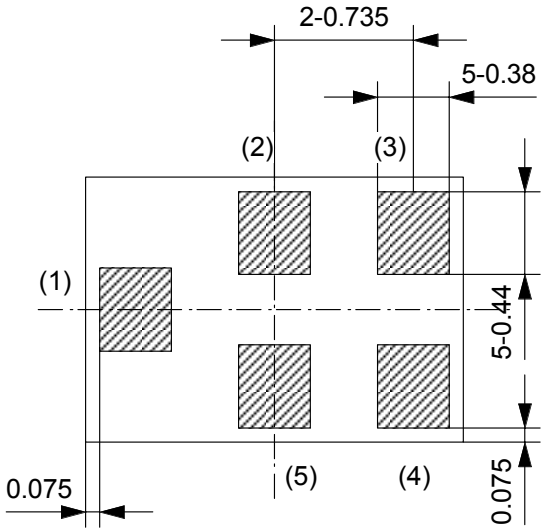
Panasonic

THIRD ANGLE PROJECTION

Tolerance : +/-0.05







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

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

ISSUE	REVISIONS	DATE

MATERIAL	FINISH	SCALE
DESIGN		
DRAW		
CHECK		
APPROVAL		

DRAWING NO.

NAME
SAW Filter

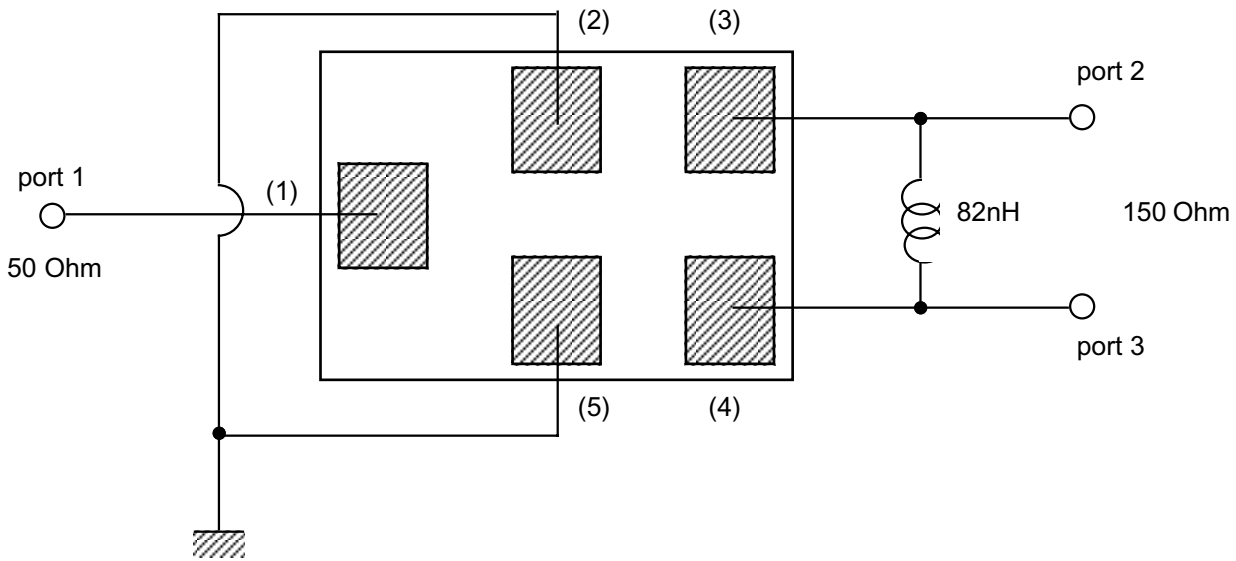
TYPE NO.

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	

Measurement Circuit



Input impedance : 50 Ohm (Single ended)
Output impedance : 150 Ohm (Differential)

ISSUE	REVISIONS	DATE

MATERIAL	FINISH	SCALE
DESIGN		
DRAW		
CHECK		
APPROVAL		

DRAWING NO.

NAME
SAW Filter

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

Fig. 2

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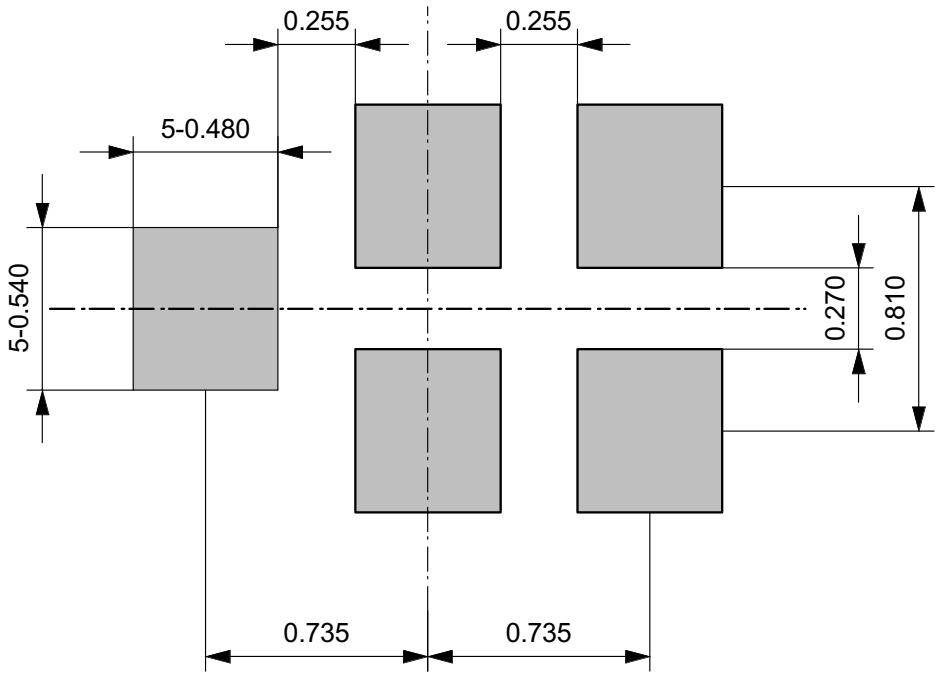
THIRD ANGLE PROJECTION

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

Recommended land pattern



ISSUE	REVISIONS	DATE

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DESIGN		
DRAW		
CHECK		
APPROVAL		

DRAWING NO.

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