Panasonic

To

No. A766-040403M-01

Date 3rd Apr. '04

Type No.
DRDA3

Data Sheet

DCS1800 Rx SAW Filter

Application	: Rx Filter for DCS1800
Center Frequency	: 1842.5MHz
Size	: 2.0x1.4mm, 5pin-layout
Impedance	: 50-50ohms unbalance-unbalance
Part No.	: EFCH1842TCD1

Issued *A. Tsunekawa*

Check *K. Nishimura*

CIRCUIT COMPONENTS BUSINESS UNIT

MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD

KADOMA, OSAKA, JAPAN

DCS1800 Rx SAW Filter

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

Part No. :

Design No. : T1842T5D2

Parameter		Frequency	Your request			Our Specification			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			1805 ... 1880			1805 ... 1880			MHz
Insertion loss		1805 ... 1880MHz					1.9	3.0	dB
Ripple in passband		1805 ... 1880MHz					1.0	1.9	dB
Attenuation	Att1	DC ... 1705MHz				30	34		dB
	Att2	1705 ... 1785MHz				12	14		dB
	Att3	1920 ... 1980MHz				13	18		dB
	Att4	1980 ... 2500MHz				30	33		dB
	Att5	2500 ... 3840MHz				25	28		dB
	Att6	3840 ... 6000MHz				20	37		dB
VSWR	Input	1805 ... 1880MHz					2.6	2.8	
	Output	1805 ... 1880MHz					2.6	2.8	
Input impedance (Single Ended)						50			Ohm
Output impedance(Single Ended)						50			Ohm
Maximum drive level								13	dBm
Operating temperature						-10		+80	deg. C
Storage temperature						-40		+85	deg. C

2004.1.6

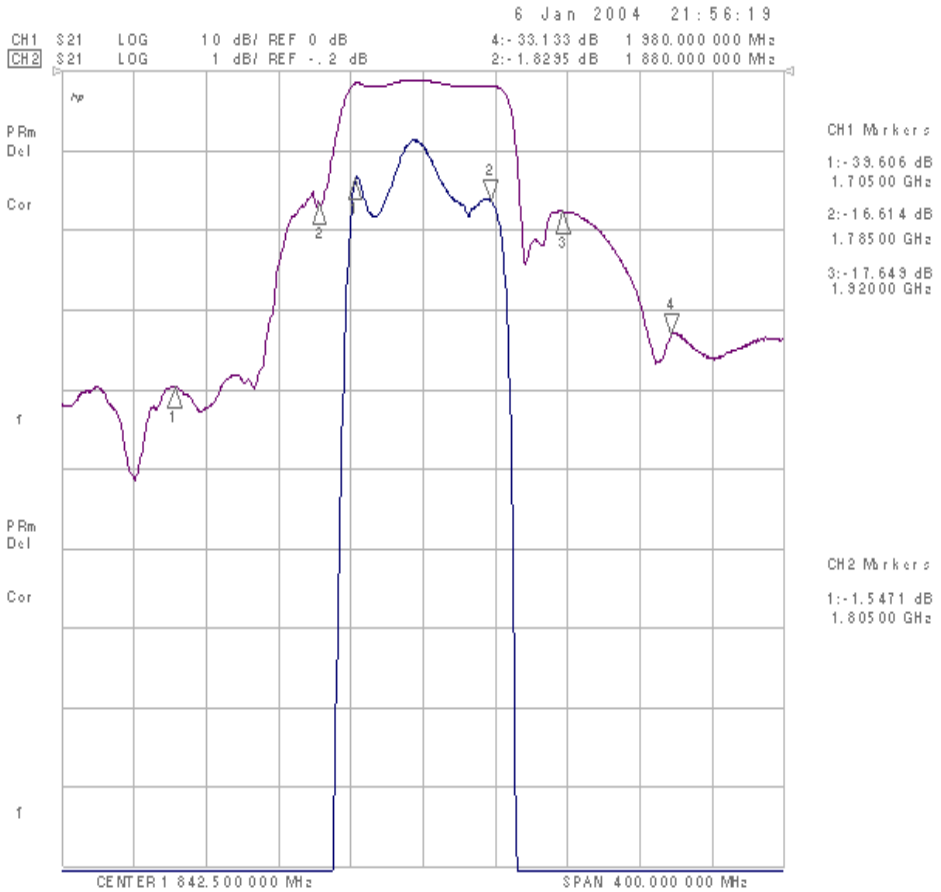
DCS1800 Rx SAW Filter

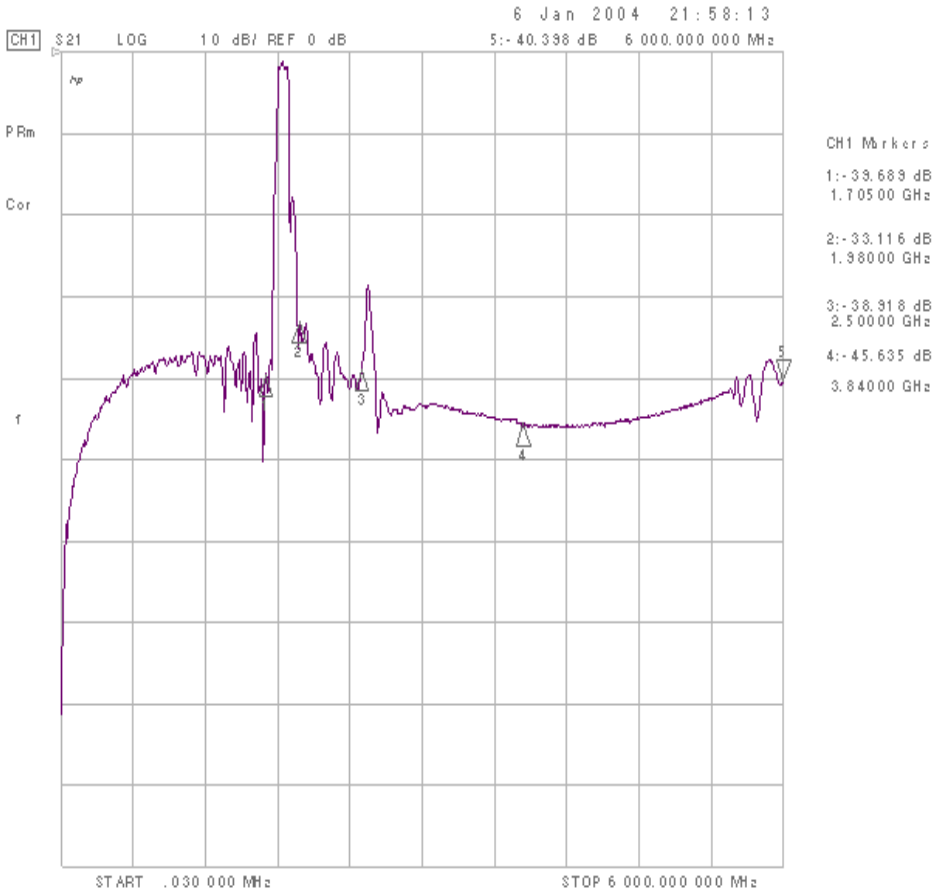
----- Unbalanced input and unbalanced output -----

Part No. :

Design No. : T1842T5D2

Jig Loss = 0.2dB





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DCS1800 Rx SAW Filter

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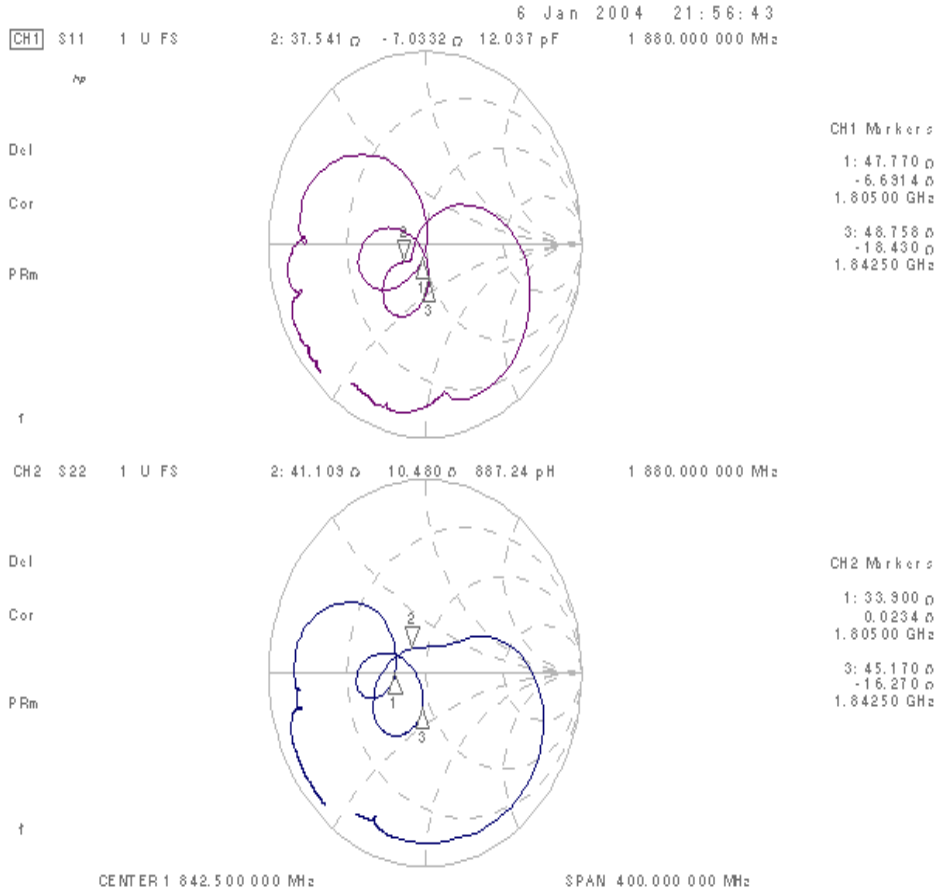
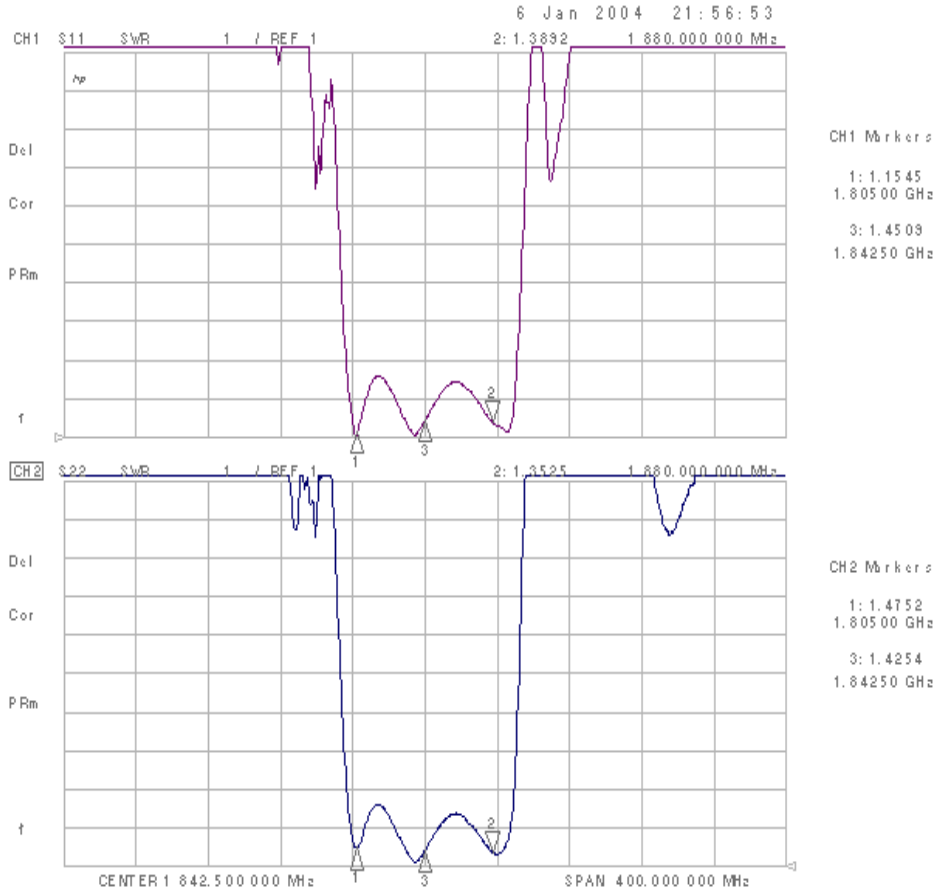
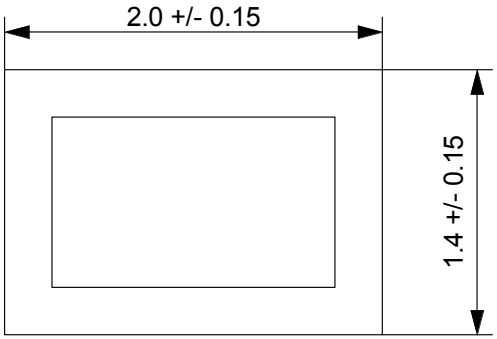
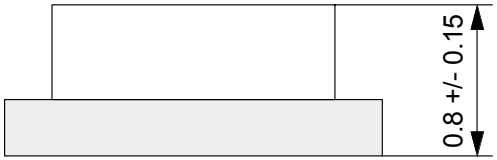


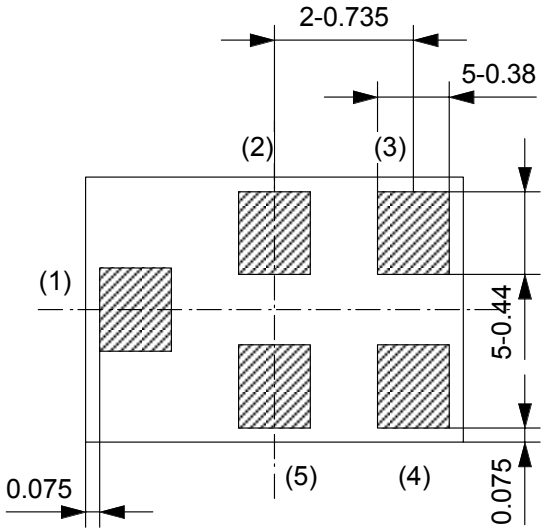


THIRD ANGLE PROJECTION

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.

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	

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

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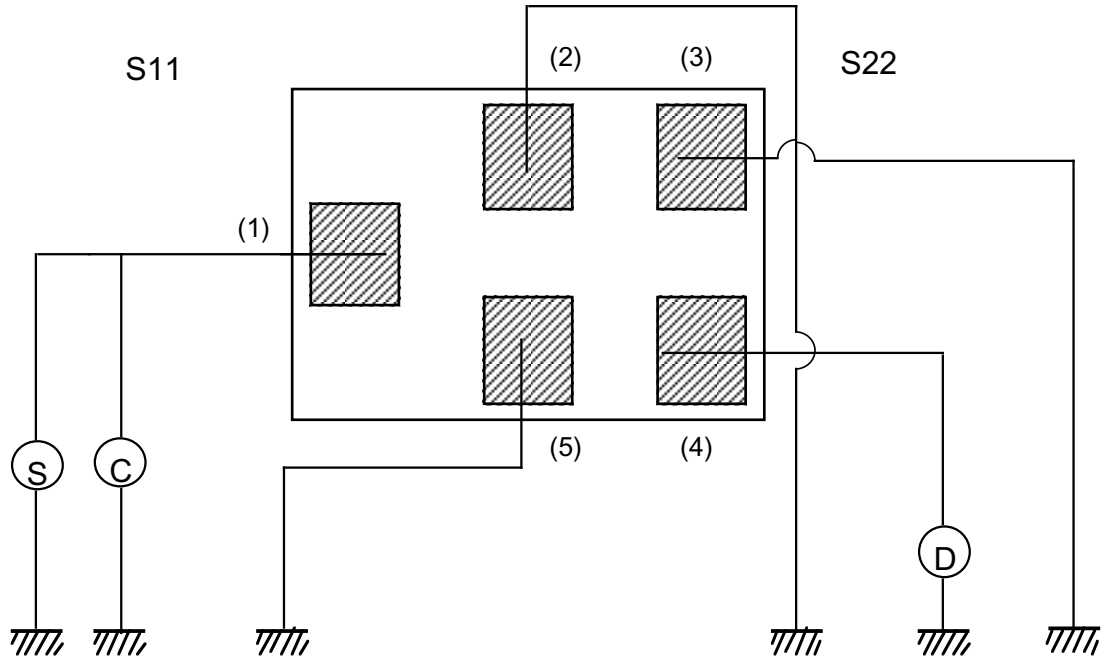
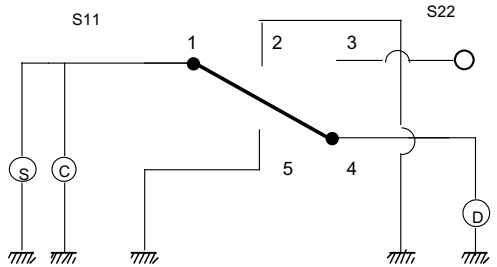


0 Level



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

Fig. 2

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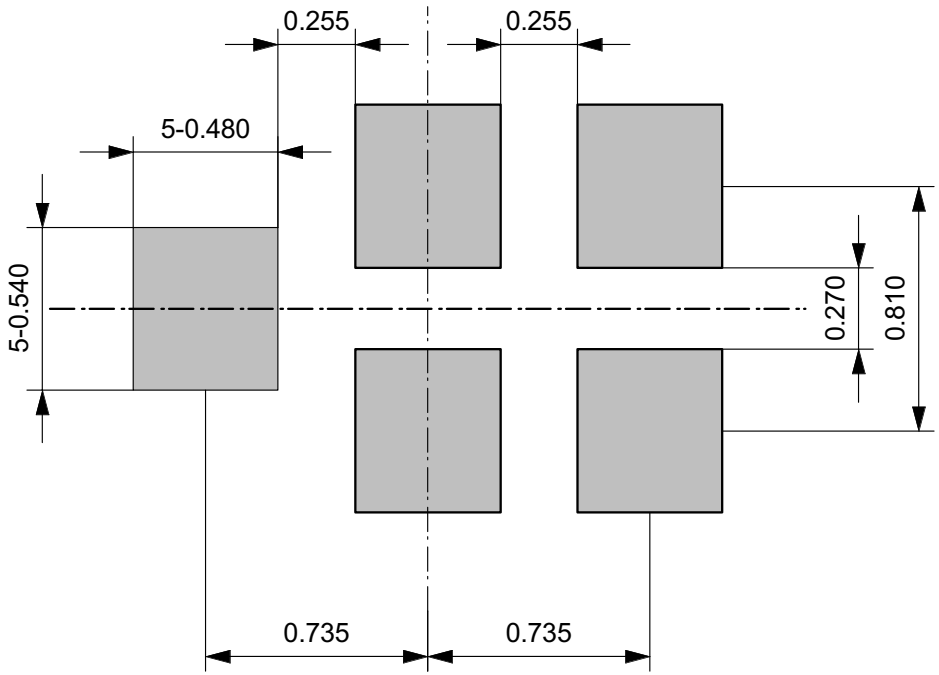
Recommended land pattern



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