

To _____

No. A236-040403N-01

Date 3rd Apr. '04

Type No.
DRAC4

Data Sheet

DCS1800 Rx SAW Filter	
Application	: Rx Filter for DCS1800
Center Frequency	: 1842.5MHz
Size	: 2.0x1.4mm, 5pin-layout
Impedance	: 50-150ohms unbalance-balance
Part No.	: EFCH1842TCA7

Issued *S. Tsuzuki*
Check *K. Nishimura*

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

DCS1800 Rx SAW Filter

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

Part No. :

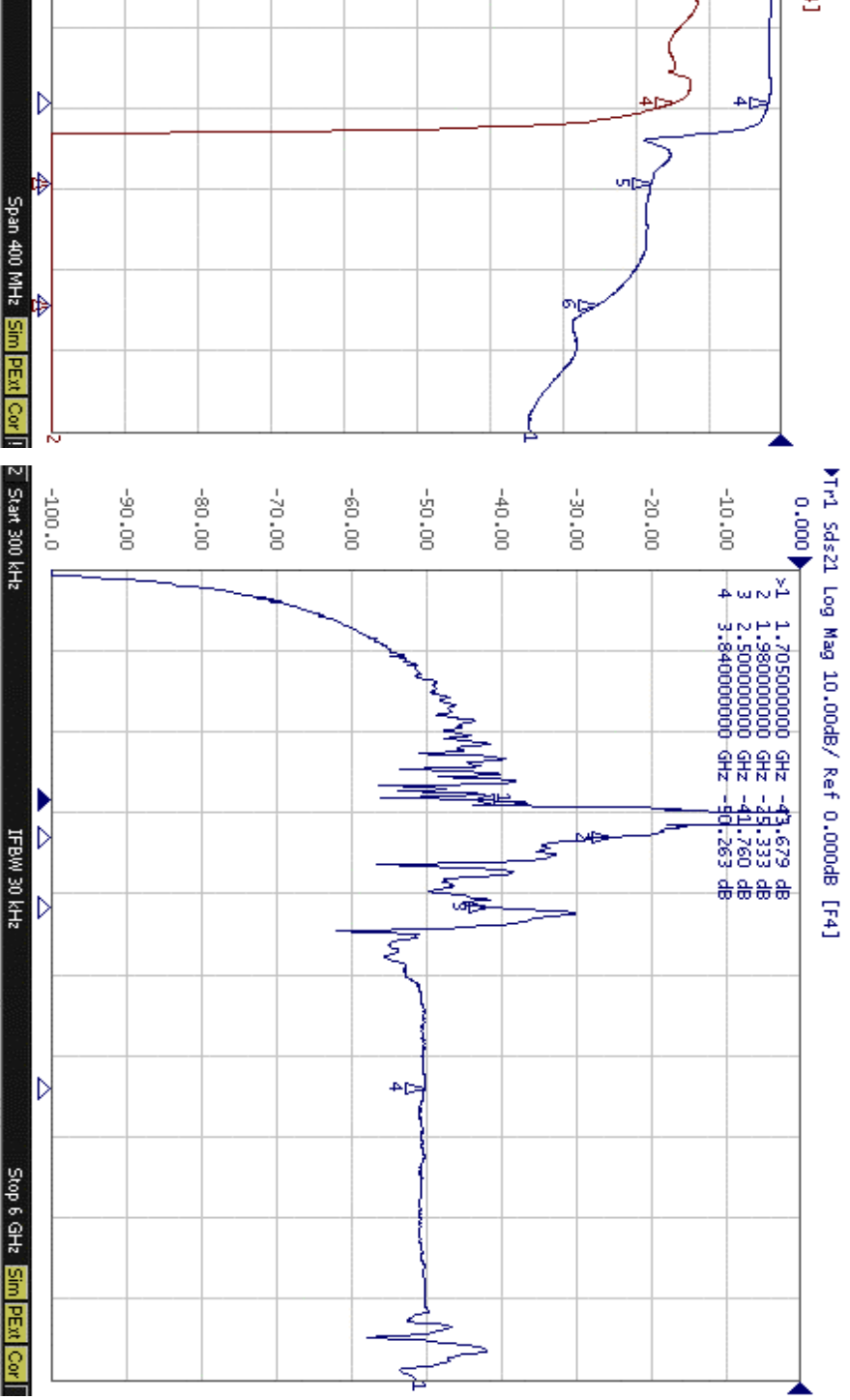
Design No. : T1842TMD

Parameter		Frequency	Your request			Our preliminary spec.			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			1805 ... 1880			1805 ... 1880			MHz
Insertion loss		1805 ... 1880MHz					1.7	2.4	dB
Ripple in passband		1805 ... 1880MHz					0.5	1.5	dB
Amplitude imbalance		1805 ... 1880MHz				-1.5	-0.6 +0.6	+1.5	dB
Phase imbalance		1805 ... 1880MHz				-10	-2 +0	+10	deg.
Attenuation	Att1	DC ... 1705MHz				30	38		dB
	Att2	1705 ... 1785MHz (T=+15 ... +60 deg.C)				12	15		dB
		1705 ... 1785MHz (T=-10 ... +80 deg.C)				10			dB
	Att3	1920 ... 1980MHz				12	18		dB
	Att4	1980 ... 2500MHz				20	25		dB
	Att5	2500 ... 3840MHz				25	30		dB
	Att6	3840 ... 6000MHz				20	40		dB
VSWR	Input	1805 ... 1880MHz					2.3	2.7	
	Output	1805 ... 1880MHz					2.1	2.4	
Input impedance (Single Ended)						50			Ohm
Output impedance (Differential)						150 // 22 nH			Ohm
Maximum drive level								13	dBm
Operating temperature						-10		+80	deg. C
Storage temperature						-40		+85	deg. C

2003.11.20

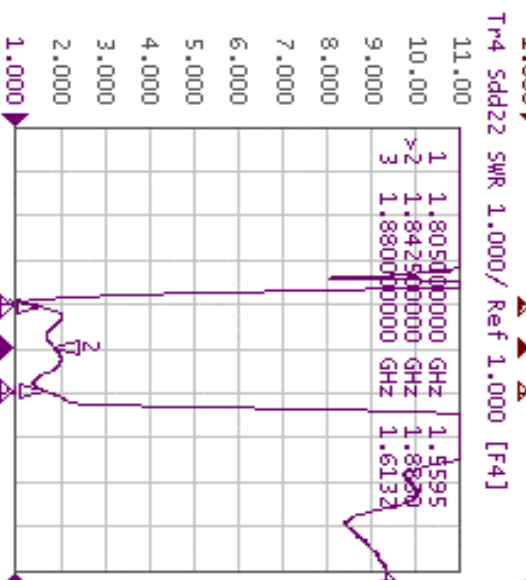
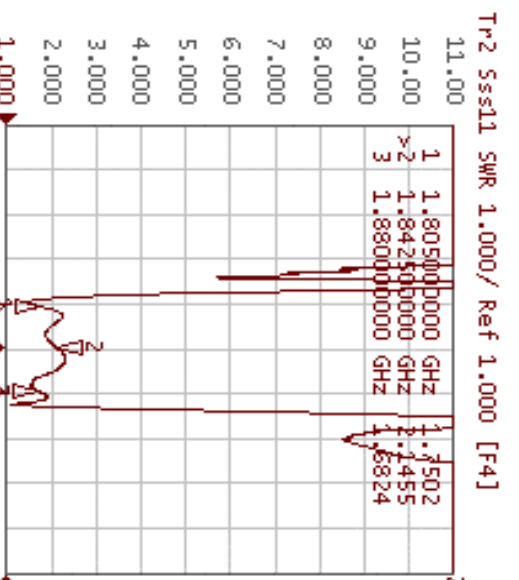
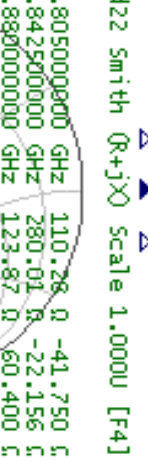
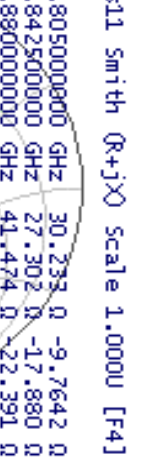
DCS1800 Rx SAW Filter

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



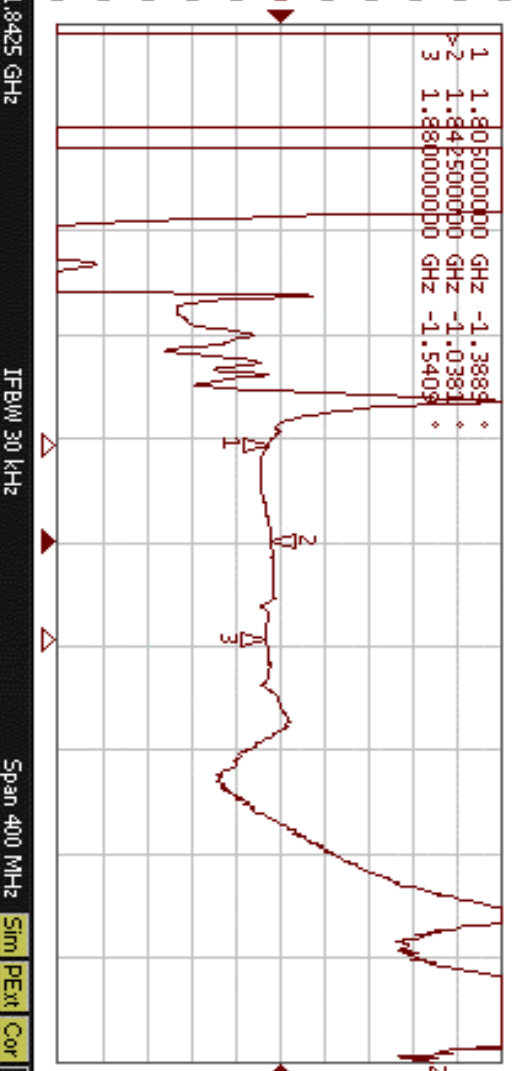
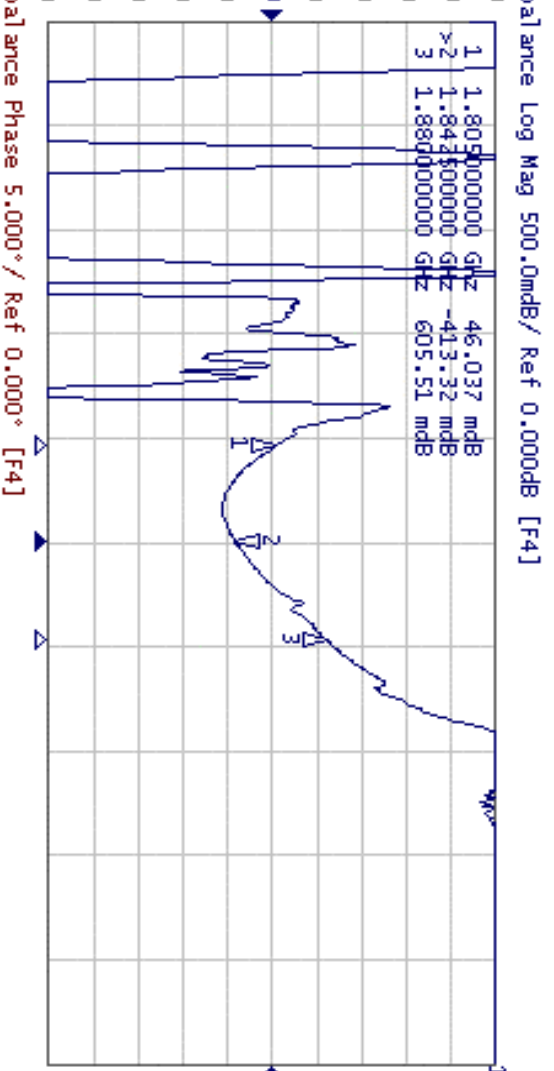
DCS1800 Rx SAW Filter

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

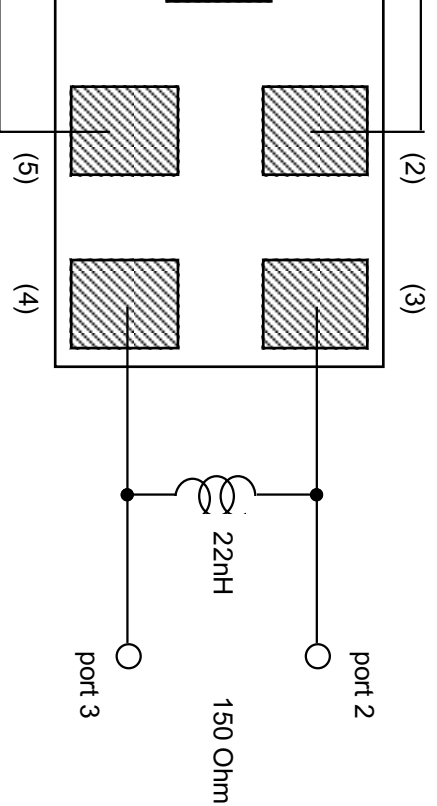


DCS1800 Rx SAW Filter

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



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



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

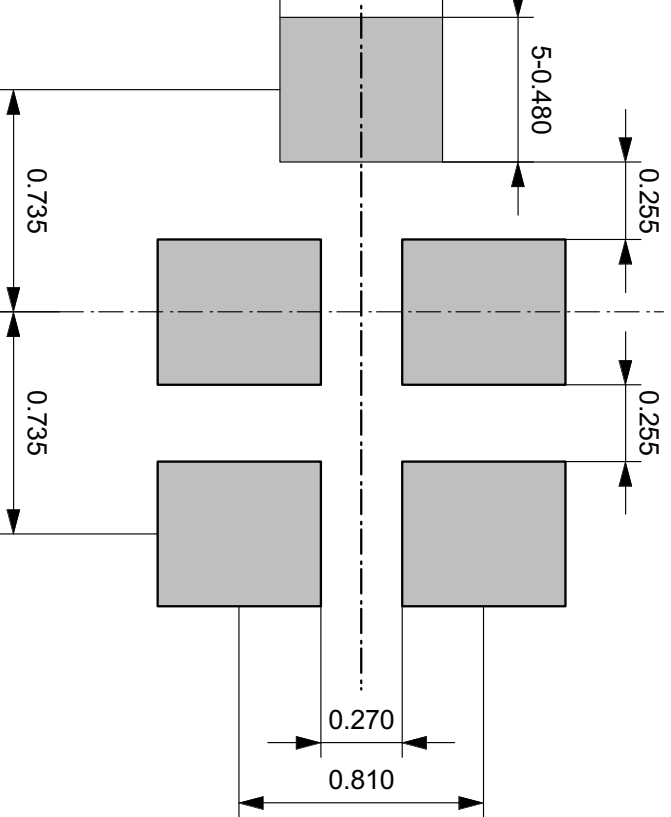
ISSUE	REVISIONS	DATE
MATERIAL	FINISH	SCALE
DESIGN		
DRAW		
CHECK		
APPROVAL		
DRAWING NO.		

NAME	TYPE NO.
SAW Filter	

CERAMIC BUSINESS UNIT, LCR DEVICE COMPANY
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 KADOMA, OSAKA, JAPAN

Fig. 2

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



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

ISSUE	REVISIONS		SCALE	DATE
	MATERIAL	FINISH		
DESIGN				
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NAME
 SAW Filter

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