

To _____

No. A391-040403N-01

Date 3rd Apr. '04

Type No.
PRAC5

Data Sheet

PCS1900 Rx SAW Filter	
Application	: Rx Filter for PCS1900
Center Frequency	: 1960MHz
Size	: 2.0x1.4mm, 5pin-layout
Impedance	: 50-150ohms unbalance-balance
Part No.	: EFCH1960TCA1

Issued *S. Tsuzuki*

Check *K. Nishimura*

CIRCUIT COMPONENTS BUSINESS UNIT

MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD

KADOMA, OSAKA, JAPAN

PCS1900 Rx SAW Filter

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

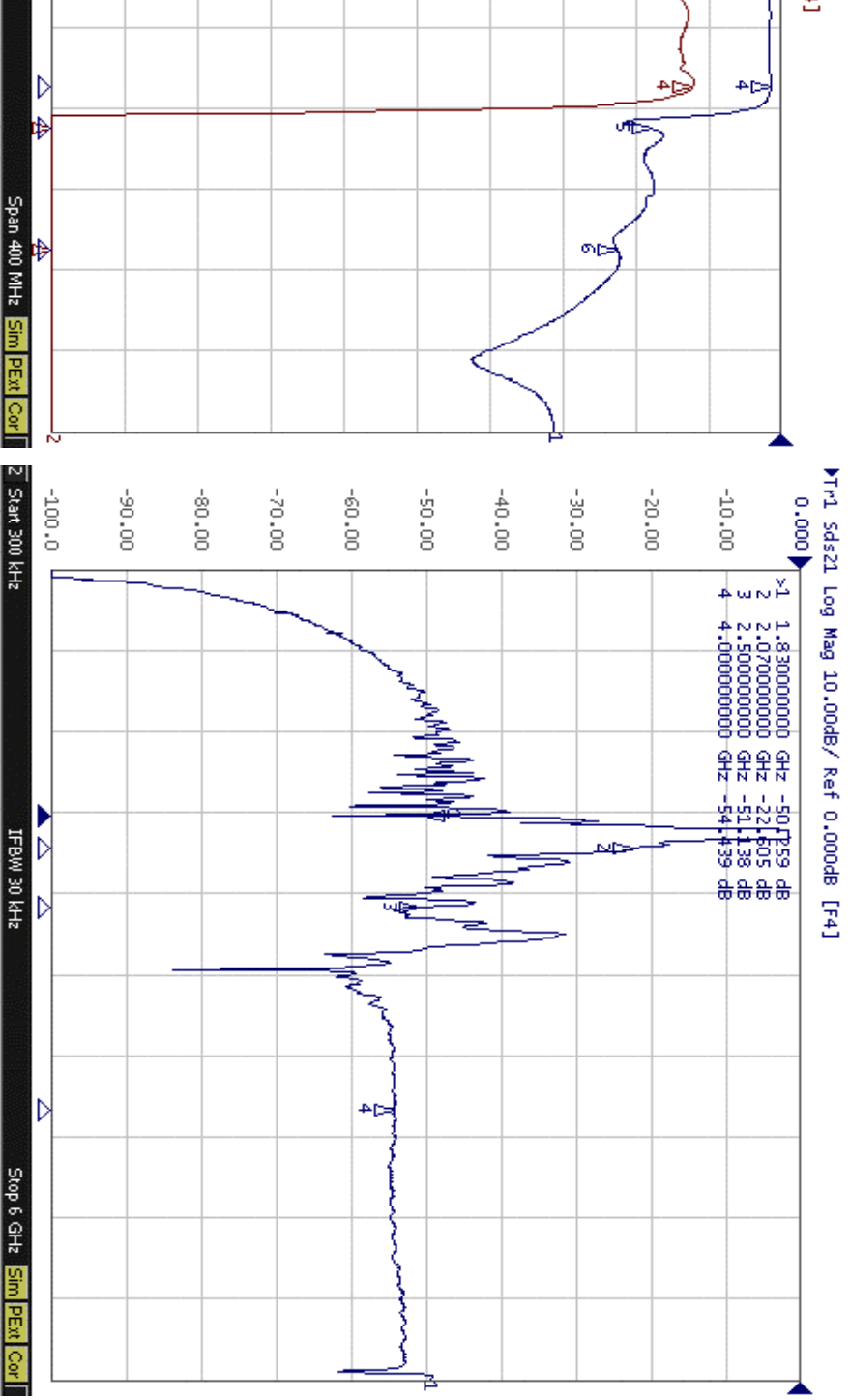
Part No. :

Design No. : T1960XF8

Parameter		Frequency	Your request			Our preliminary spec.			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			1930 ... 1990			1930 ... 1990			MHz
Insertion loss		1930 ... 1990MHz					1.5	2.3	dB
Ripple in passband		1930 ... 1990MHz					0.3	1.5	dB
Amplitude imbalance		1930 ... 1990MHz				-1.5	-0.7 +0.4	+1.5	dB
Phase imbalance		1930 ... 1990MHz				-10	-1 +2	+10	deg.
Attenuation	Att1	DC ... 1830MHz				30	40		dB
	Att2	1830 ... 1910MHz (T=+15 ... +60 deg.C)				12	16		dB
		1830 ... 1910MHz (T=-10 ... +80 deg.C)				10			dB
	Att3	2010 ... 2070MHz (T=+15 ... +60 deg.C)				12	16		dB
		2010 ... 2070MHz (T=-10 ... +80 deg.C)				10			dB
	Att4	2070 ... 2500MHz				20	22		dB
	Att5	2500 ... 4000MHz				25	31		dB
	Att6	4000 ... 6000MHz				20	48		dB
VSWR	Input	1930 ... 1990MHz					2.1	2.4	
	Output	1930 ... 1990MHz					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

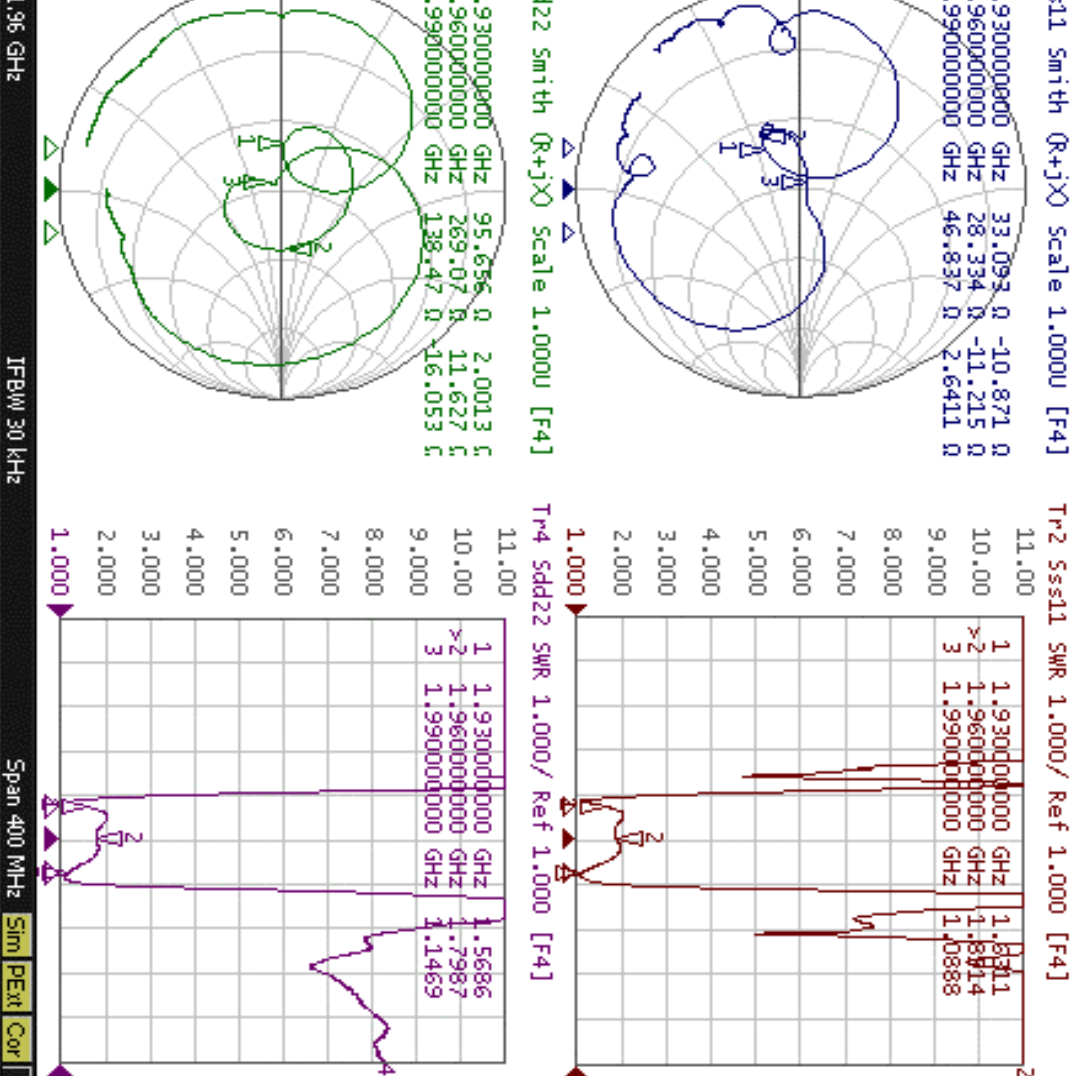
PCS1900 Rx SAW Filter

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



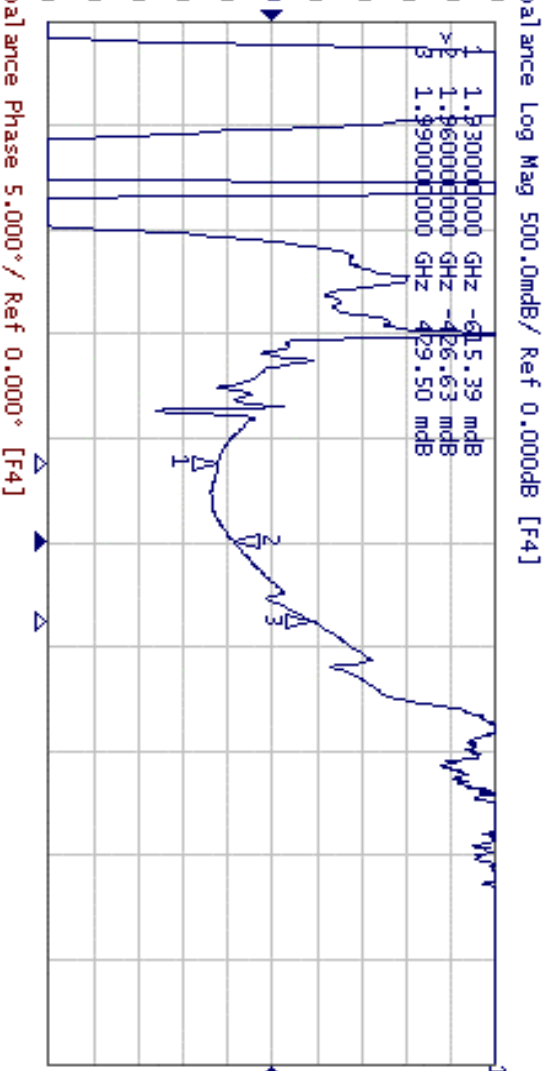
PCS1900 Rx SAW Filter

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

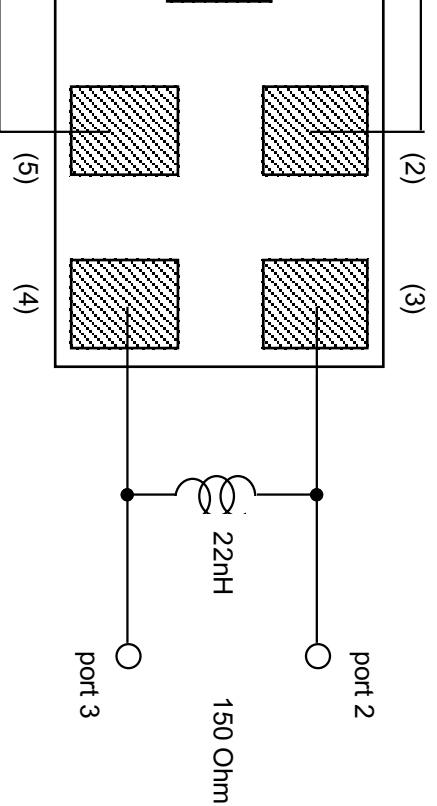


PCS1900 Rx SAW Filter

----- 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)

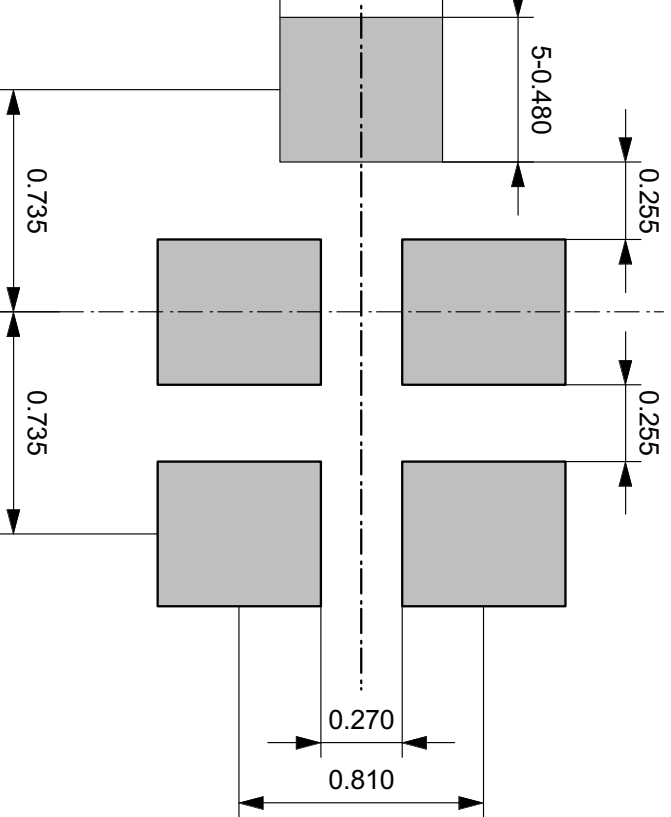
ISSUE	REVISIONS	DATE
MATERIAL	FINISH	SCALE
DESIGN		
DRAW		
CHECK		
APPROVAL		
DRAWING NO.		

NAME	TYPE NO.
SAW Filter	

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

Fig. 2

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



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



Note :

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

NAME	SAW Filter
TYPE NO.	
CERAMIC BUSINESS UNIT, LCR DEVICE COMPANY MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD. KADOMA, OSAKA, JAPAN	

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