



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



To \_\_\_\_\_

No. ZCDM-040403M-01

Date 3rd Apr. '04

Type No.  
**CRDA1**

Data Sheet

<b>GSM850/CDMA800 Rx SAW Filter</b>	
Application	: Rx Filter for GSM850/CDMA800
Center Frequency	: 881.5MHz
Size	: 2.0x1.4mm, 5pin-layout
Impedance	: 50-50ohms unbalance-unbalance
Part No.	: EFCH881MTCD1

Issued *A. Tsunekawa*  
Check *K. Nishimura*

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

**GSM850/CDMA800 Rx SAW Filter**

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

Part No. :

Design No. : T881A22

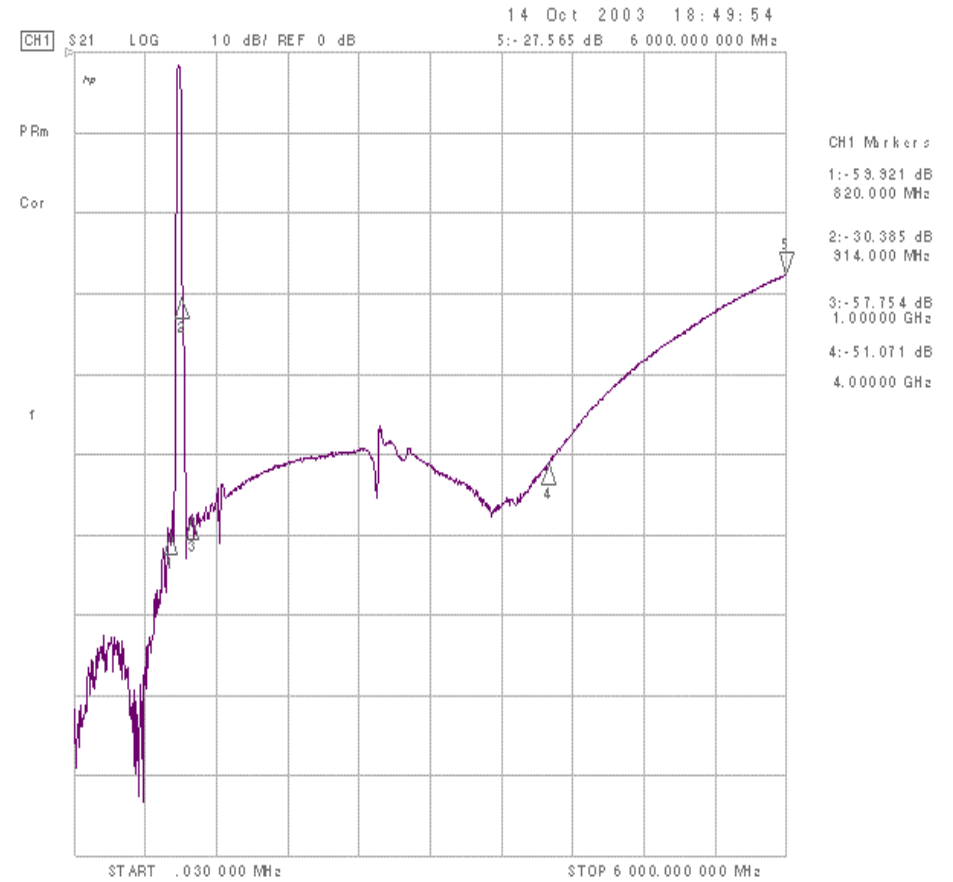
Parameter	Frequency	Your request			Our Specification			Unit
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband		869 ... 894			869 ... 894			MHz
Insertion loss	869 ... 894MHz					1.6	2.0	dB
Ripple in passband	869 ... 894MHz					0.4	1.0	dB
Attenuation	Att1	DC ... 820MHz				45	58	dB
	Att2	820 ... 849MHz				35	40	dB
	Att3	914 ... 1000MHz				26	30	dB
	Att4	1000 ... 4000MHz				35	46	dB
	Att5	4000 ... 6000MHz				15	27	dB
VSWR	Input	869 ... 894MHz				1.6	2.0	
	Output	869 ... 894MHz				1.6	2.0	
Input impedance (Single Ended)					50			Ohm
Output impedance(Single Ended)					50			Ohm
Maximum drive level							15	dBm
Maximum DC voltage							5	V
ESD							50	V
Operating temperature					-30		+85	deg. C
Storage temperature					-40		+85	deg. C

# GSM850/CDMA800 Rx SAW Filter

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

Part No. :

Design No. : T881A22

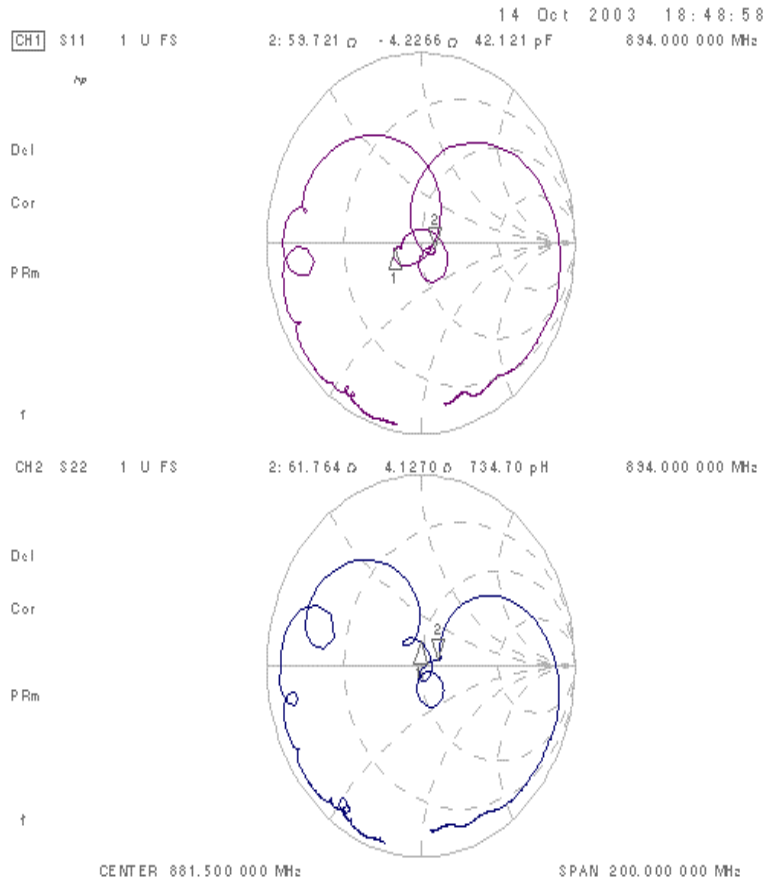


# GSM850/CDMA800 Rx SAW Filter

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

Part No. :

Design No. : T881A22

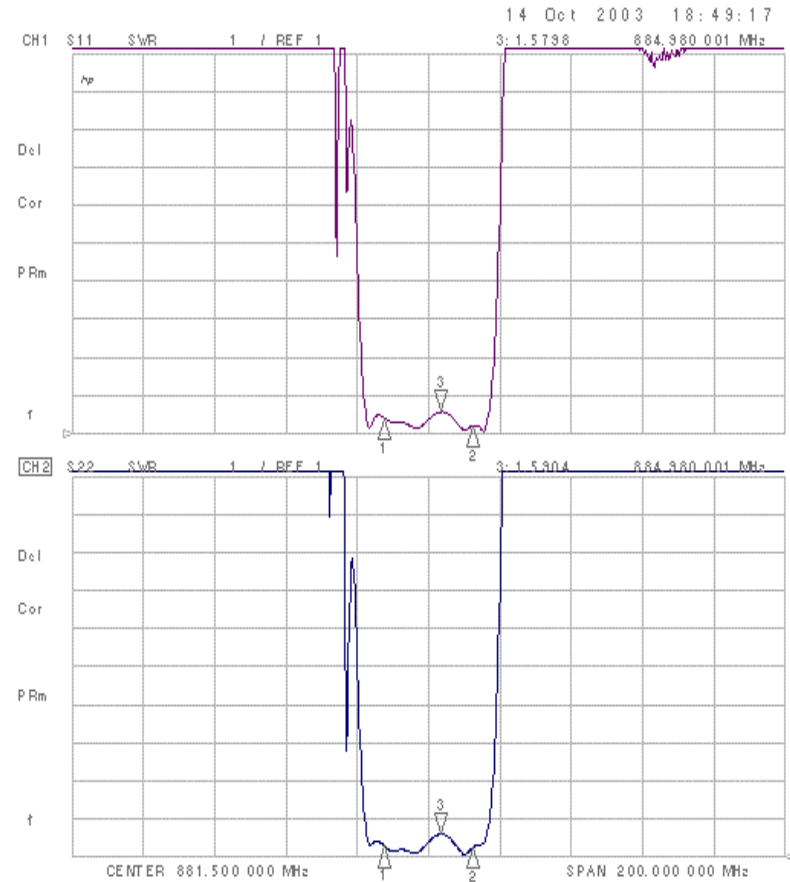


CH1 Markers

- 1: 35.510  $\text{dB}$
- 2: -2.1055  $\text{dB}$
- 863.000 MHz

CH2 Markers

- 1: 48.145  $\text{dB}$
- 2: 12.295  $\text{dB}$
- 863.000 MHz



CH1 Markers

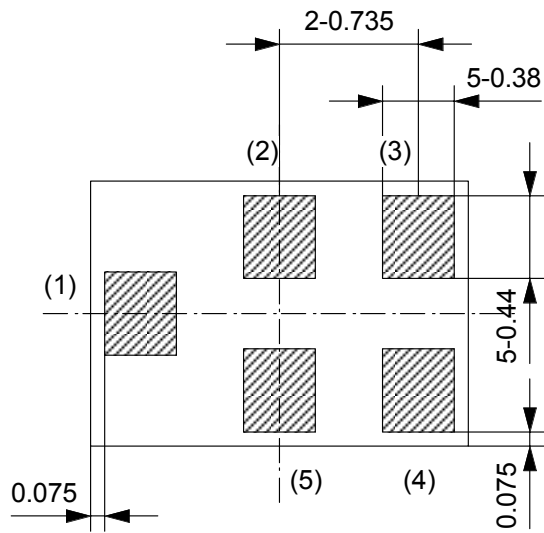
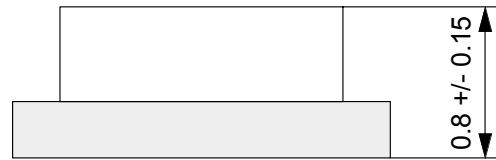
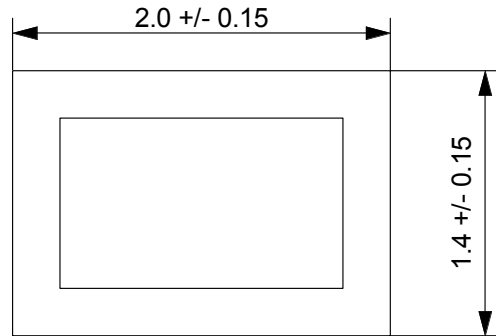
- 1: 1.4136
- 863.000 MHz
- 2: 1.2142
- 894.000 MHz

CH2 Markers

- 1: 1.2874
- 863.000 MHz
- 2: 1.2511
- 894.000 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.

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		

--	--	--

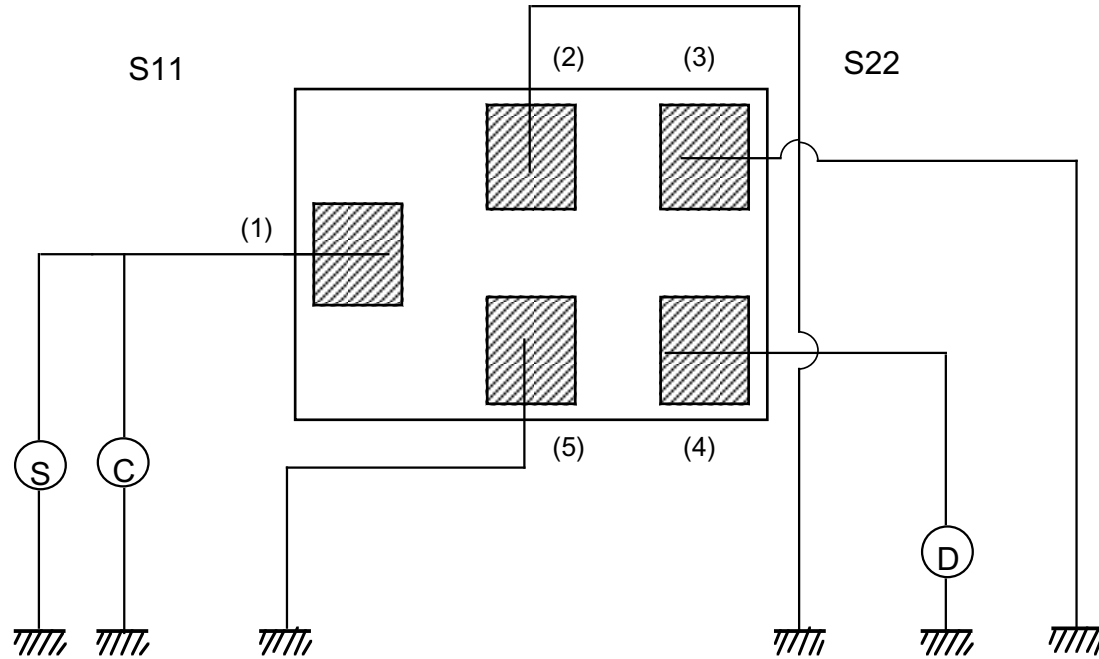
ISSUE	REVISIONS	DATE
MATERIAL	FINISH	SCALE
DESIGN		
DRAW		
CHECK		
APPROVAL		
DRAWING NO.		

NAME	TYPE NO.
------	----------

SAW Filter

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

THIRD ANGLE PROJECTION



0 Level

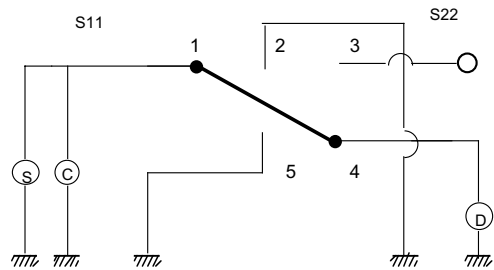


Fig. 2

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

UNLESS OTHERWISE SPECIFIED

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

--	--	--

ISSUE	REVISIONS	DATE
DRAWING NO.		

NAME	TYPE NO.
------	----------

SAW filter

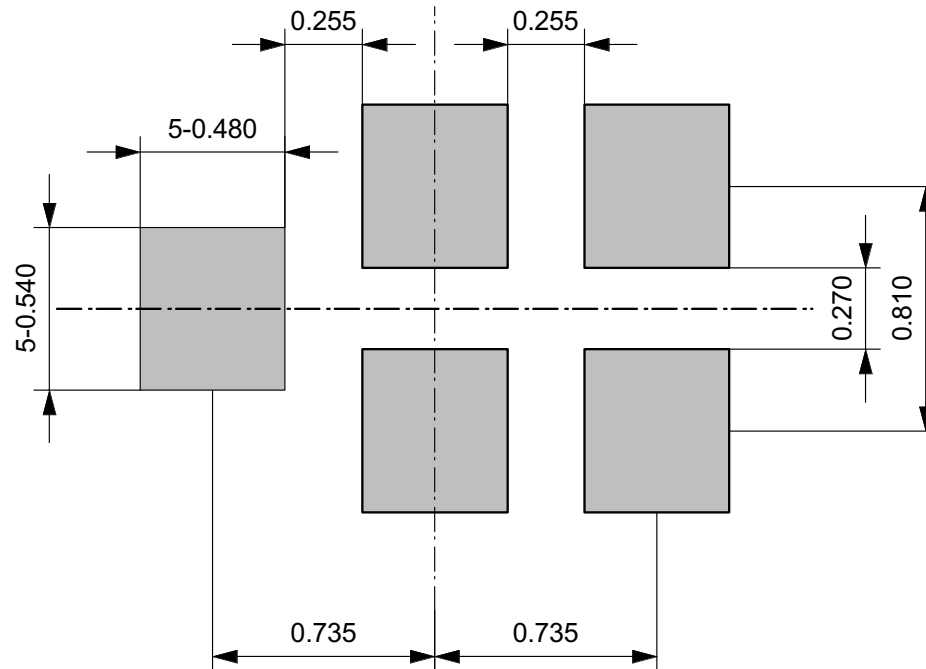
CERAMIC BUSINESS UNIT , LCR DEVICE COMPANY  
MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD.  
KADOMA, OSAKA, JAPAN

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED

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

**Recommended land pattern**



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

--	--	--

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**

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS