

To _____

No. ZCDM-040403M-01

Date 3rd Apr. '04



Data Sheet

GSM850/CDMA800 Rx SAW Filter	
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

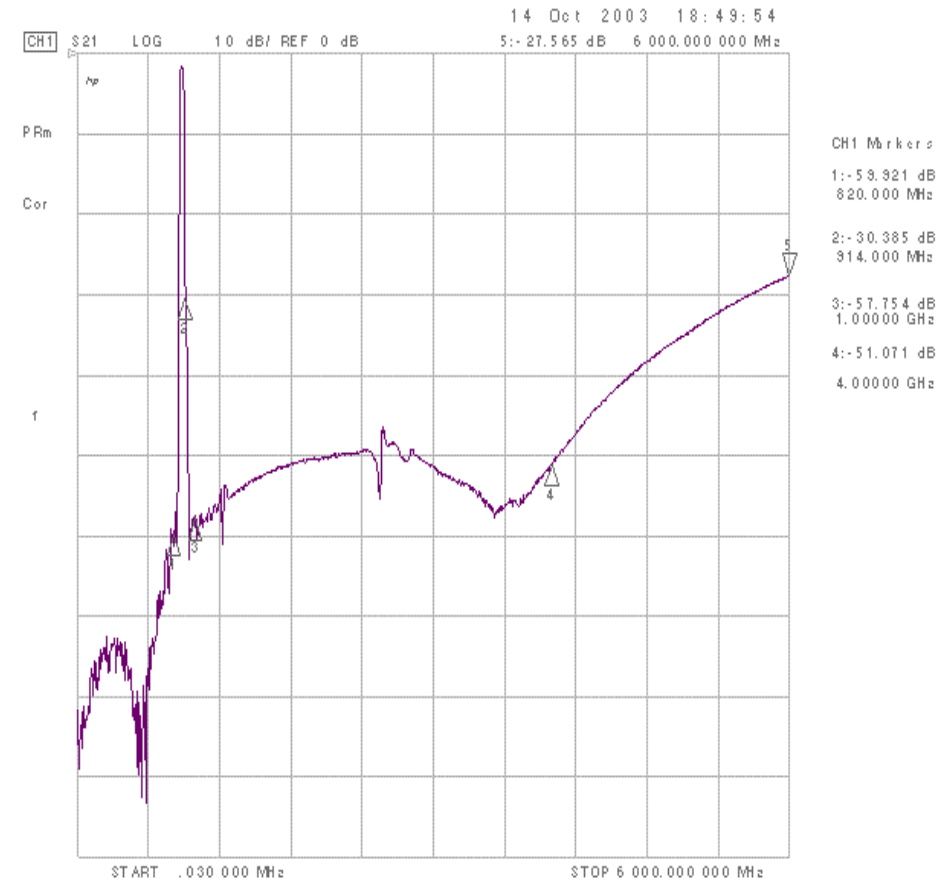
Parameter		Frequency	Your request			Our Specification			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			869 ... 894			869 ... 894			MHz
Insertion loss		869 ... 894MHz					1.6	2.0	dB
Ripple in passband		869 ... 894MHz					0.4	1.0	dB
Attenuation	Att1	DC ... 820MHz				45	58		dB
	Att2	820 ... 849MHz				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. :

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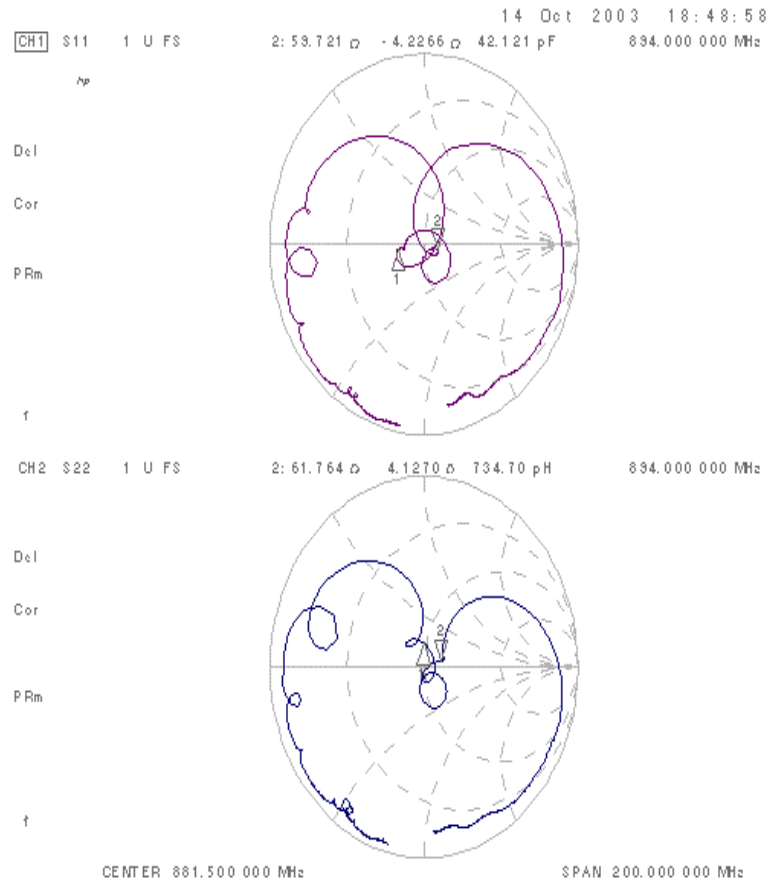


GSM850/CDMA800 Rx SAW Filter

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

Part No. :

Design No. : T881A22

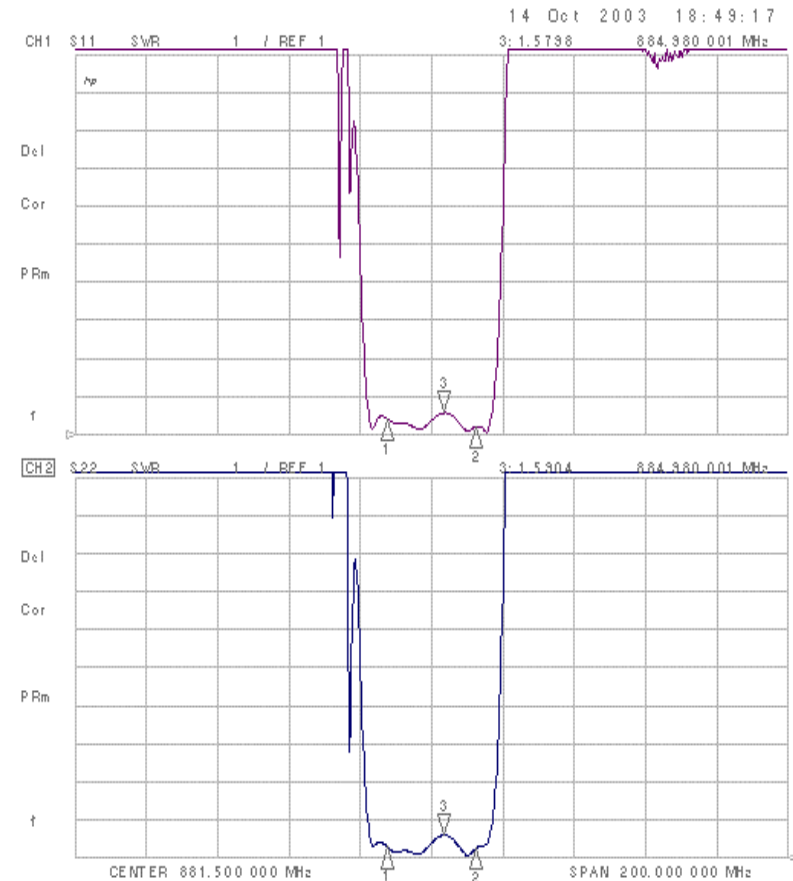


CH1 Markers

1: 35.510 dB
-2.1055 dB
869.000 MHz

CH2 Markers

1: 48.145 dB
12.295 dB
869.000 MHz



CH1 Markers

1: 1.4136
869.000 MHz
2: 1.2142
894.000 MHz

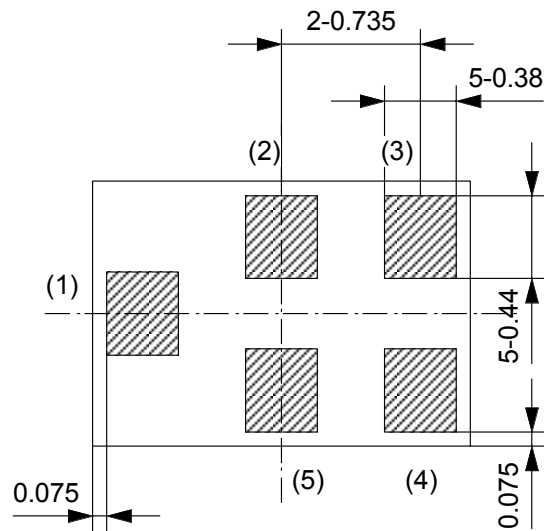
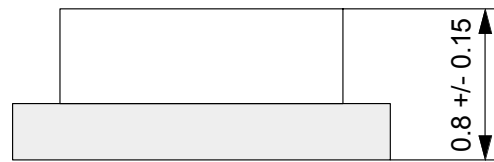
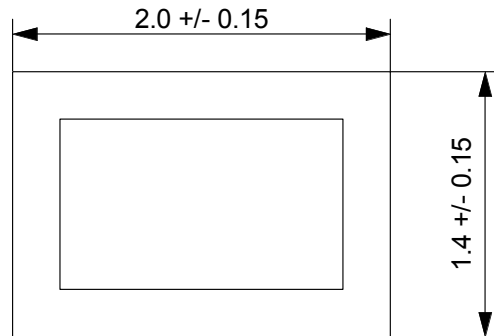
CH2 Markers

1: 1.2874
869.000 MHz
2: 1.2511
894.000 MHz

THIRD ANGLE PROJECTION

Tolerance : +/-0.05

Under Development



- (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.

UNLESS OTHERWISE SPECIFIED

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

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

NAME	TYPE NO.
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SAW Filter

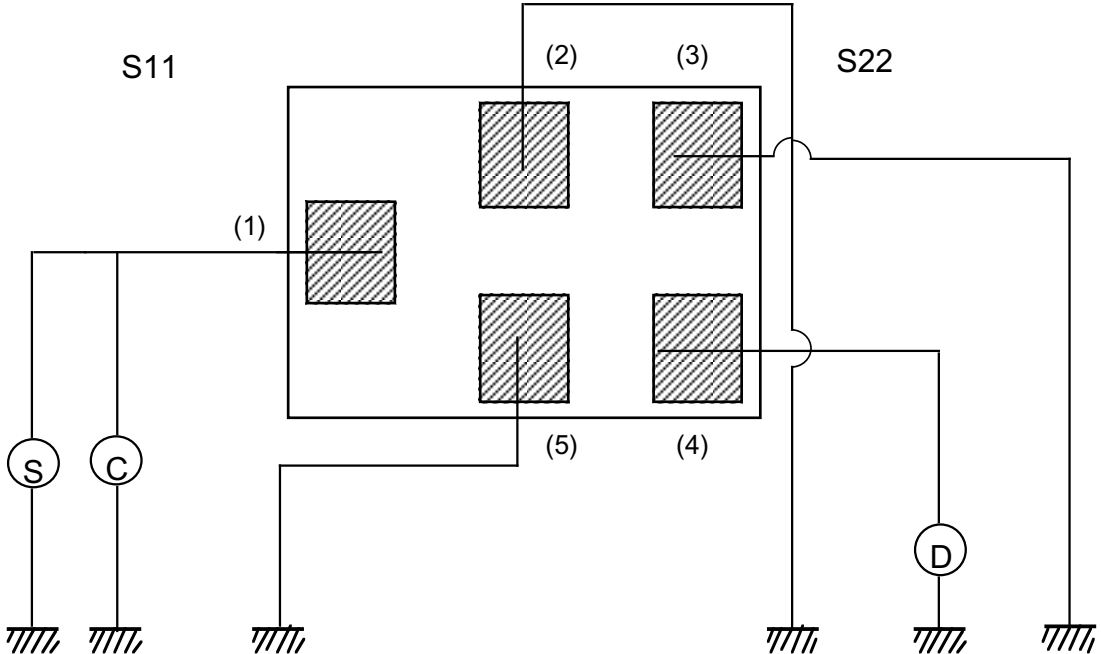
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DO NOT SCALE DRAWING

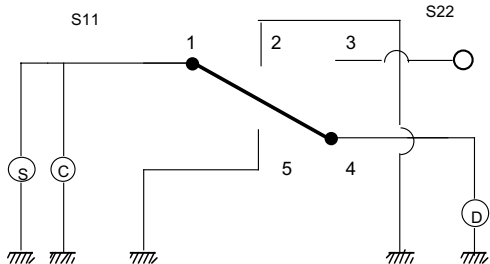
REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION



0 Level



S : Standard Signal Generator
(Output Impedance 50 ohm)

C : Frequency Counter

D : Detector
(Input Impedance 50 ohm)

Fig. 2

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

[illegible]

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

NAME	TYPE NO.
SAW filter	

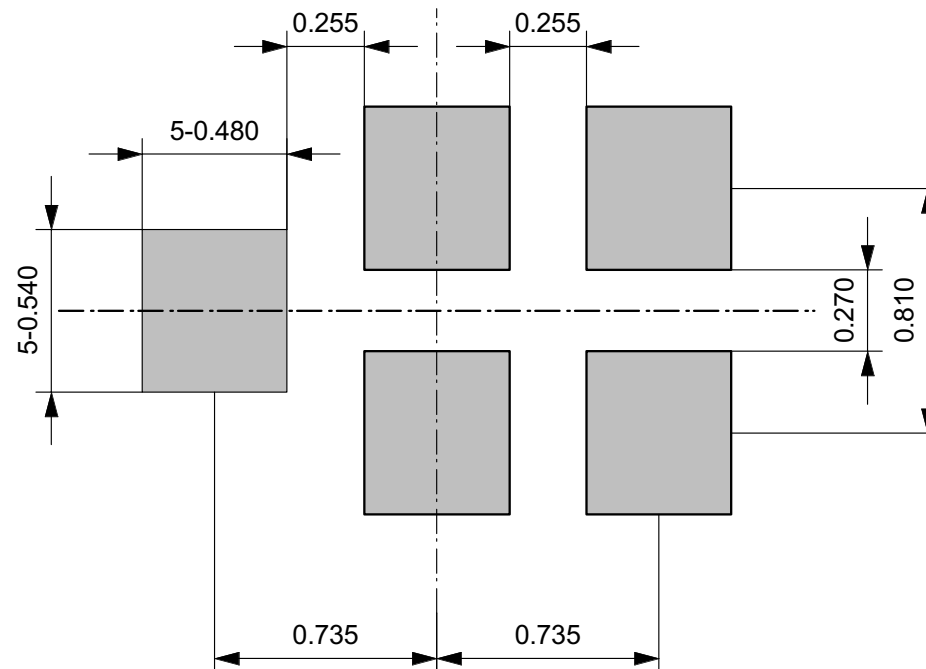
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THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED

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

Recommended land pattern



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SAW Filter	
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