

To _____

No. A768-040403N-01

Date 3rd Apr. '04

Type No.
CTDA1

Data Sheet

CDMA800/GSM850 Tx SAW Filter	
Application	: Tx Filter for CDMA800/GSM850
Center Frequency	: 836.5MHz
Size	: 2.0x1.4mm, 5pin-layout
Impedance	: 50-50ohms unbalance-unbalance
Part No.	: EFCH836MTCD1

Issued S. Tsuzuki
Check K. Nishimura

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

CDMA800/GSM850 Tx SAW Filter

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

Part No. :

Design No. : T836PD1

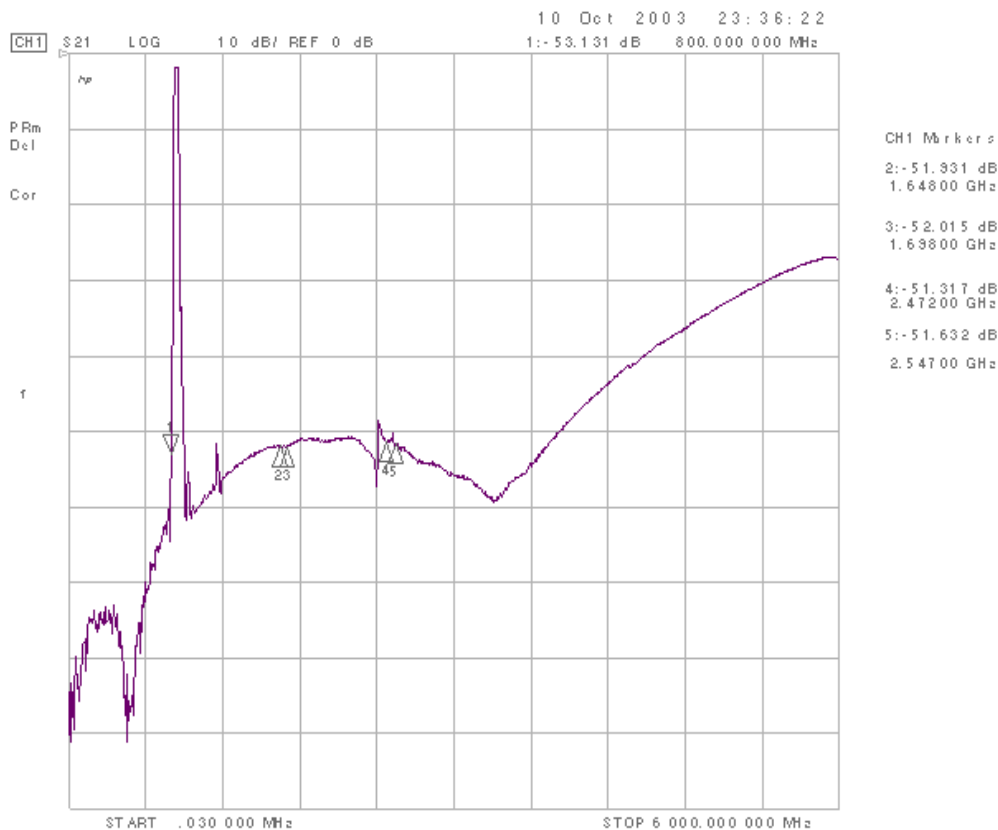
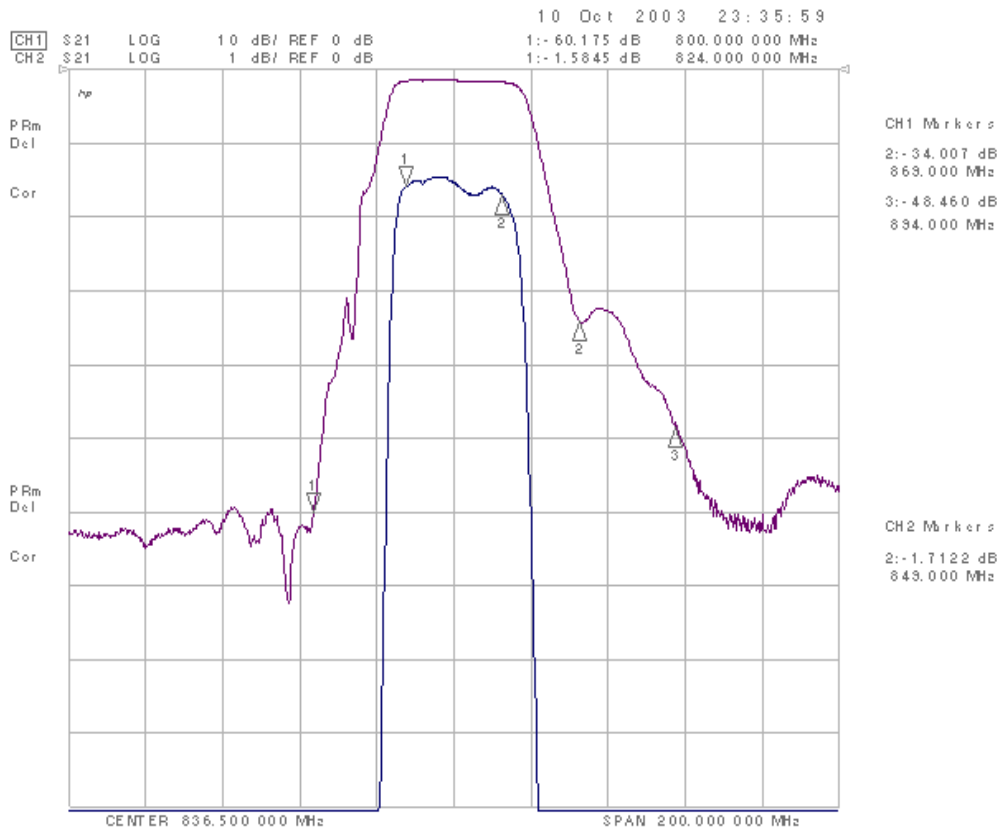
Parameter		Frequency	Your request			Our preliminary spec.			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	
Passband			824 ... 849			824 ... 849			MHz
Insertion loss		824 ... 849MHz					1.7	2.3	dB
Ripple in passband		824 ... 849MHz					0.3	1.2	dB
Attenuation	Att1	DC ... 800MHz				40	58		dB
	Att2	869 ... 894MHz				27	32		dB
	Att3	1648 ... 1698MHz				35	52		dB
	Att4	2472 ... 2547MHz				30	50		dB
VSWR	Input	824 ... 849MHz					1.6	2.0	
	Output	824 ... 849MHz					1.6	2.0	
Input impedance						50			Ohm
Output impedance						50			Ohm
Maximum drive level								10	dBm
Operating temperature						-30		+85	deg. C
Storage temperature						-40		+85	deg. C

CDMA800/GSM850 Tx SAW Filter

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

Part No. :

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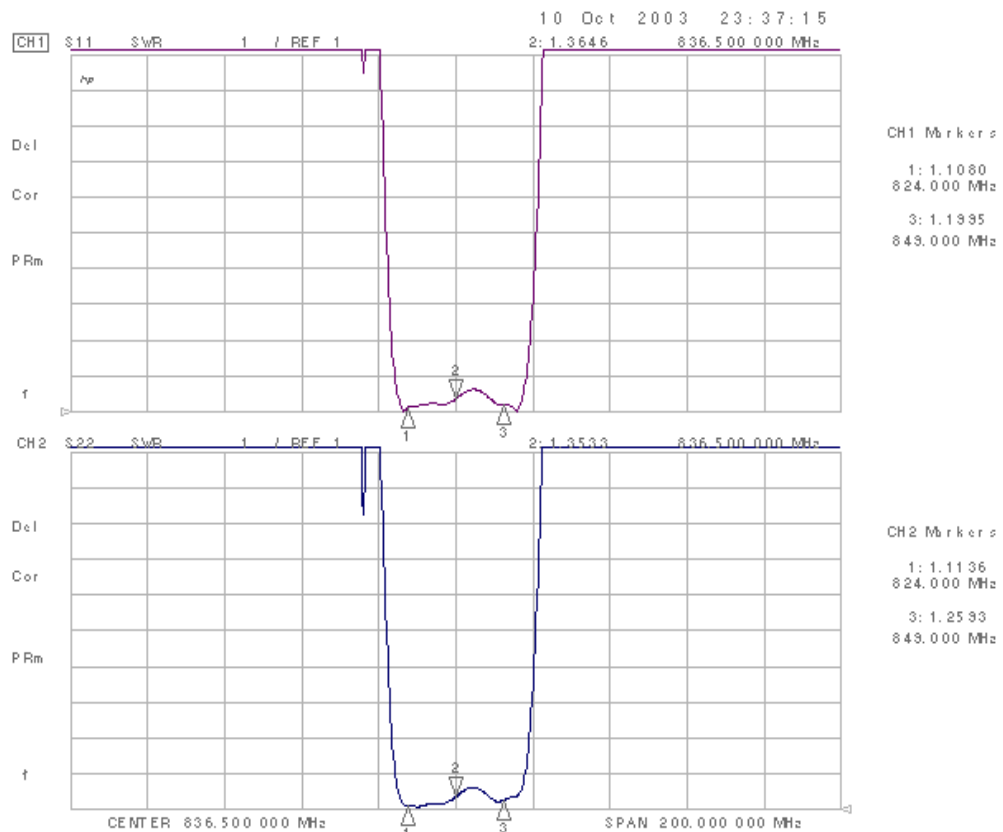
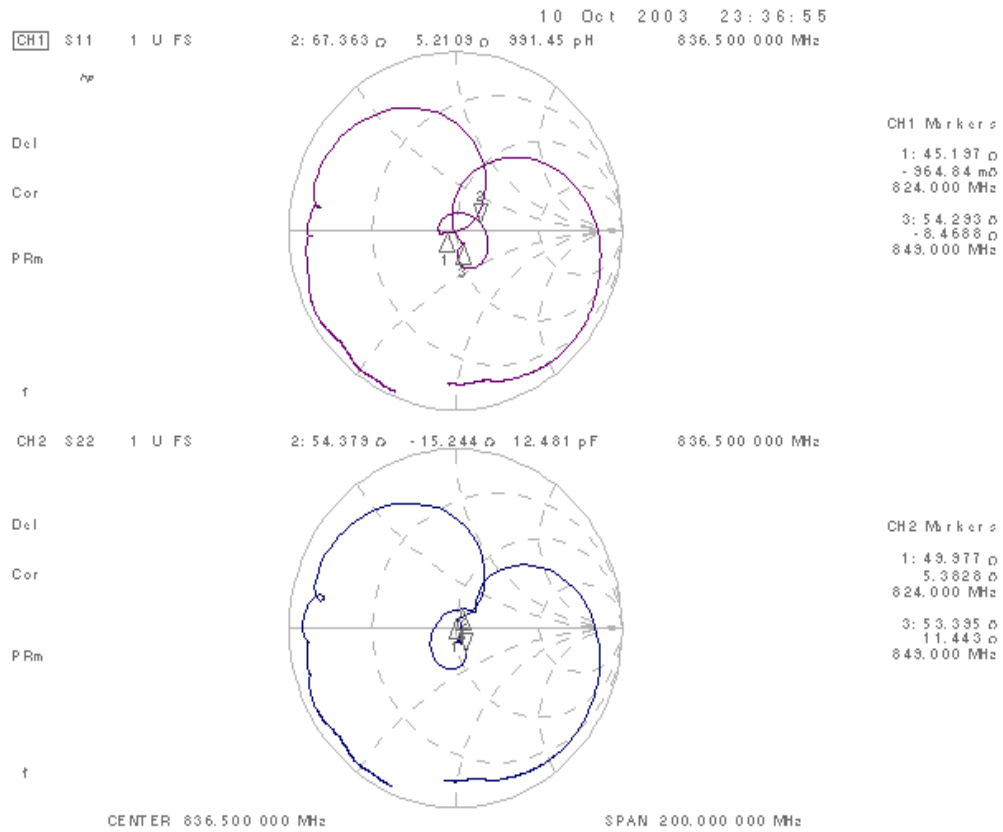


CDMA800/GSM850 Tx SAW Filter

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

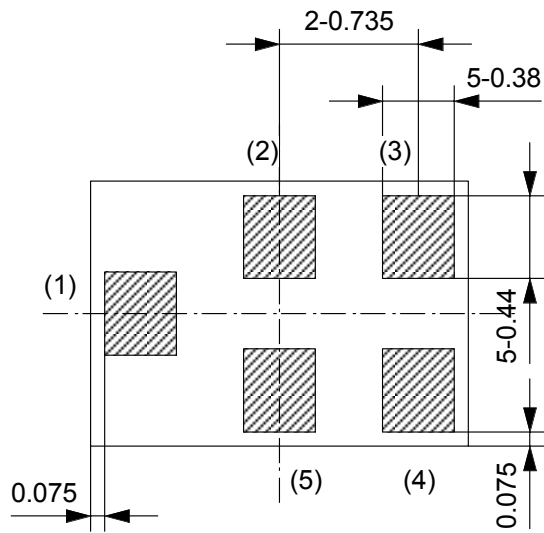
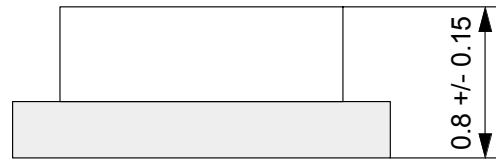
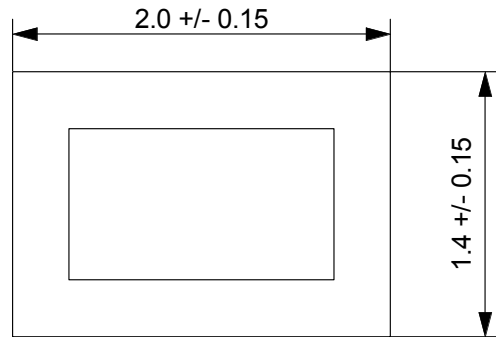
Part No. :

Design No. : T836PD1



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.

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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MATSUSHITA ELECTRONIC COMPONENTS CO.,LTD.
KADOMA, OSAKA, JAPAN

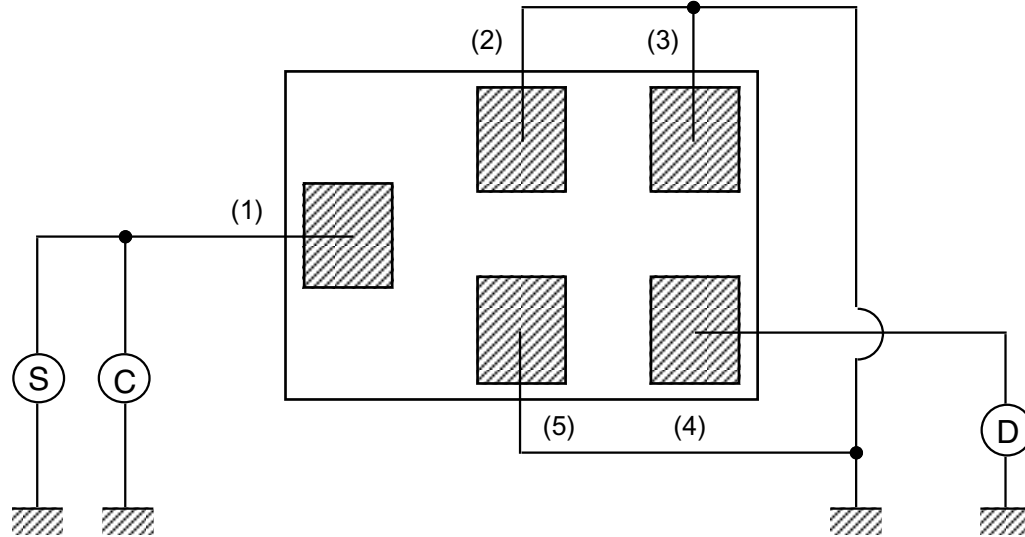
DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

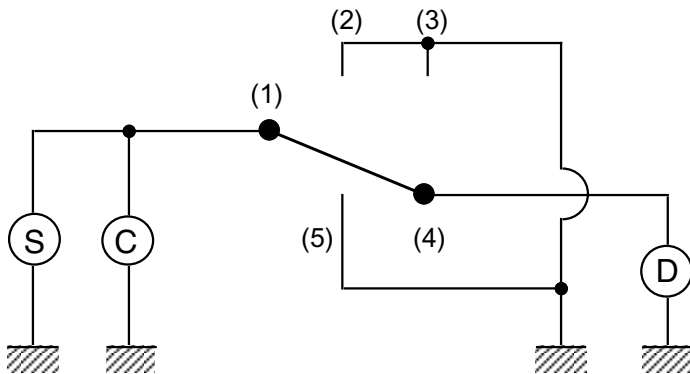
ALL DIMENSIONS ARE IN MILLIMETERS

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

Measurement Circuit



0 Level



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

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SAW Filter		

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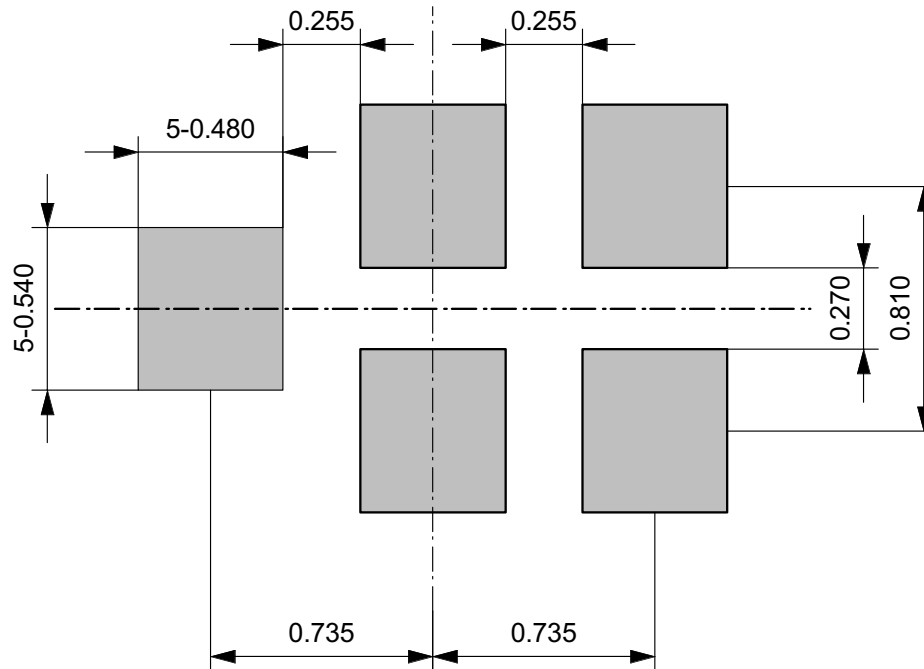
Fig. 2

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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NAME SAW Filter	TYPE NO.
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