



Data Sheet of SAW Components



Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

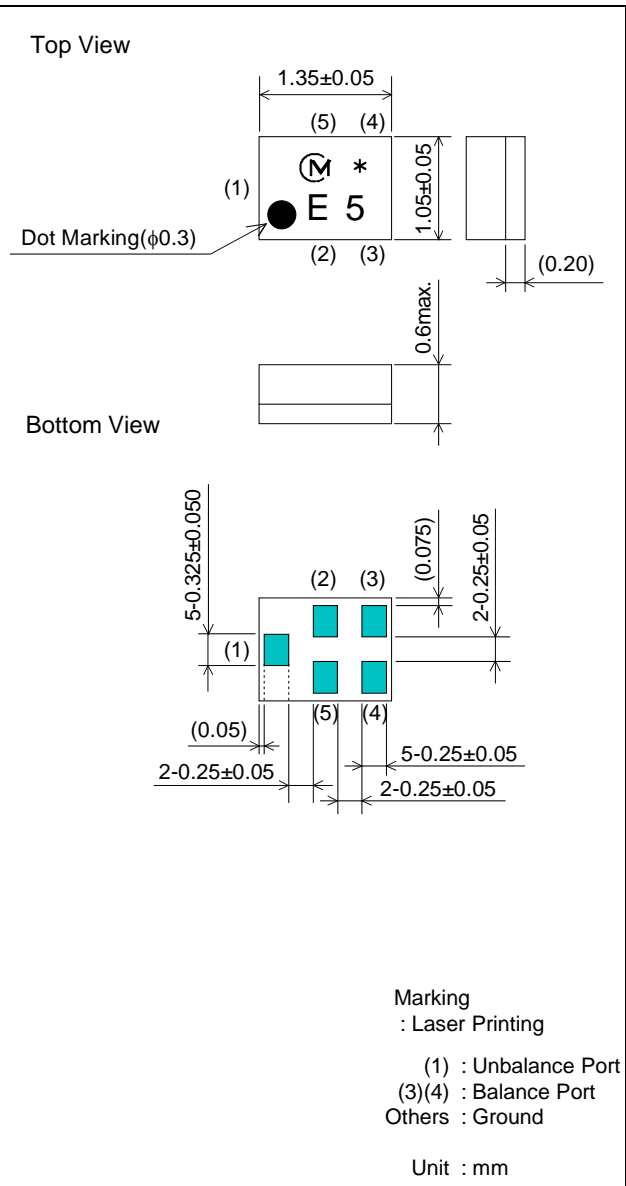
Please also read caution at the end of this document.

SAW FILTER FOR CDMA800/TDMA800/E-AMPS/GSM850/UMTS BC5 Tx

Murata part number : SAFEB836MFM0F00

■ Package Dimensions

■ Specification

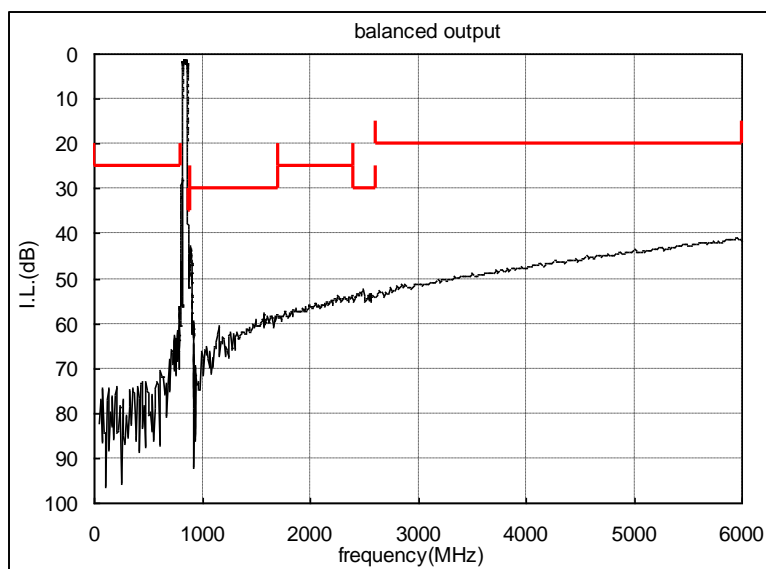
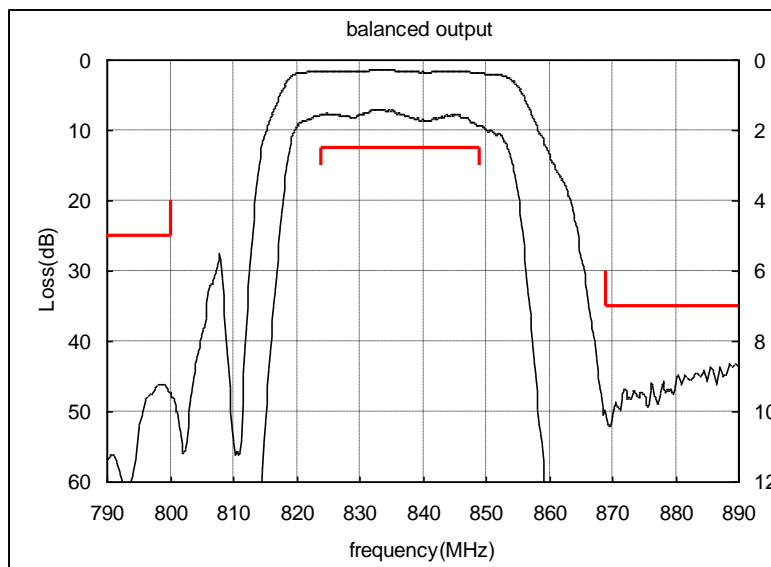


Item	Specification	
	-30 to +85°C	typ.
Nominal Center Frequency(fc)	836.5 MHz	
Insertion Loss (824 to 849 MHz)	2.5 dB max.	1.9 dB
Absolute Attenuation		
1) 0.1 to 800 MHz	25 dB min.	45 dB
2) 869 to 894 MHz	35 dB min.	42 dB
3) 894 to 1700 MHz	30 dB min.	43 dB
4) 1700 to 2400 MHz	25 dB min.	48 dB
5) 2400 to 2600 MHz	30 dB min.	47 dB
5) 2600 to 6000 MHz	20 dB min.	40 dB
Ripple Deviation (824 to 849 MHz)	1.5 dB max.	0.6 dB
Return Loss (824 to 849 MHz)	2.0 max.	1.6
Amplitude Balance (824 to 849 MHz)	±1.0 dB max.	+0.2 dB
Phase Balance (824 to 849 MHz)	180±10 deg.	180+3 deg.
Unbalance Port Matching Impedance (nominal)	50Ω	
Balance Port Matching Impedance (nominal)	100Ω	
Input Signal Level	31.6mW (+15dBm), 2000 hours	

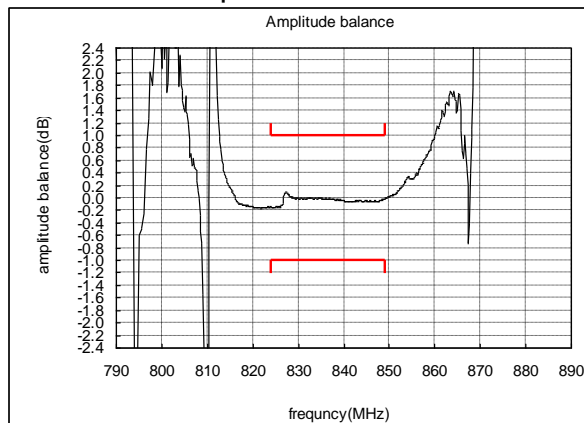
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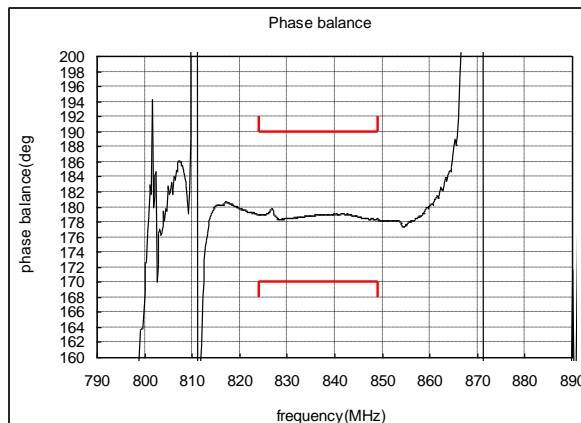
Frequency Performance



Amplitude balance



Phase balance

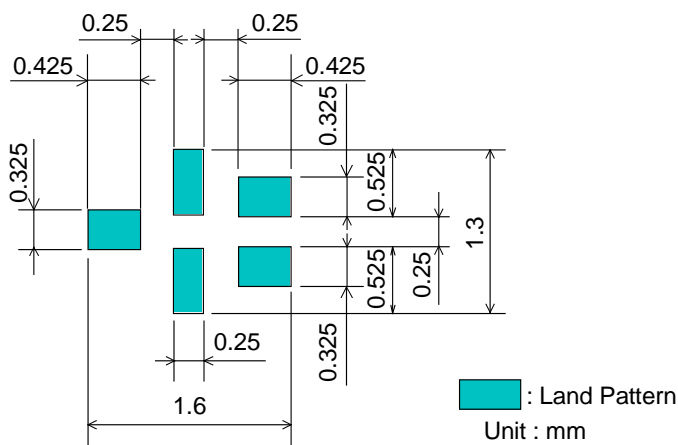


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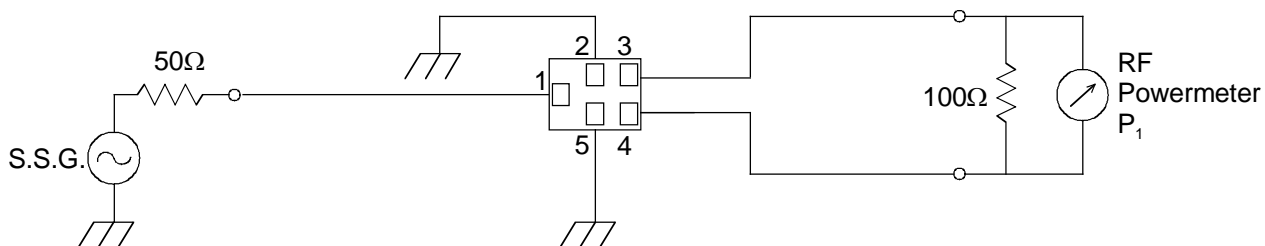
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR CDMA800/TDMA800/E-AMPS/GSM850/UMTS BC5 Tx

■ RoHS Compliance Murata part number : SAFEB836MFM0F00

This component is compliant with RoHS directive.

This component was always RoHS compliant from the first date of manufacture.

• Caution - Limitation of Applications

This product is intended for the following applications only; however, please do not use this product in these applications where defects might directly cause damage to a third party's life, body or property.

- a. Mobile Telephone
- b. Cordless phone (except for Automotive use)
- c. PC (Including Notebook PC, Netbook PC, Tablet)
- d. Game
- e. Camera (except for Business/security use)
- f. Set Top Box
- g. Electronic dictionary
- h. Digital audio equipment

• This catalog is for reference only and not an official product specification document, therefore, please review and approve our official product specification before ordering this product.