



Data Sheet of SAW Components



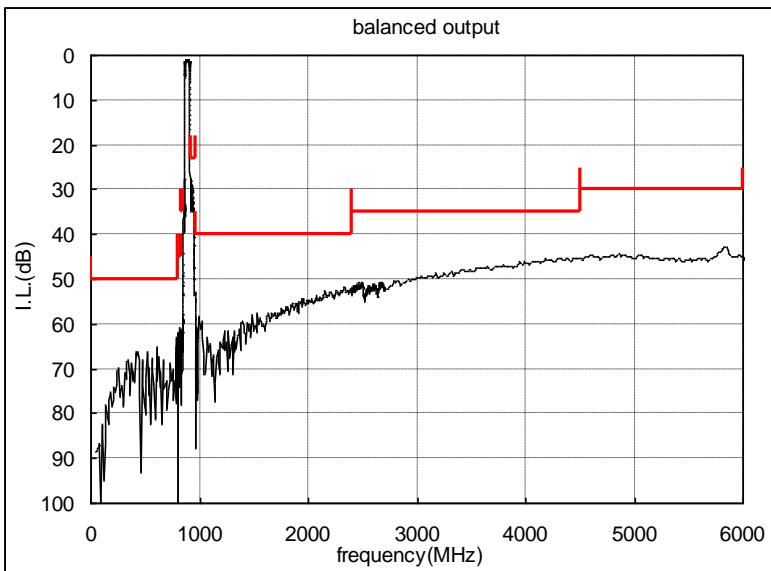
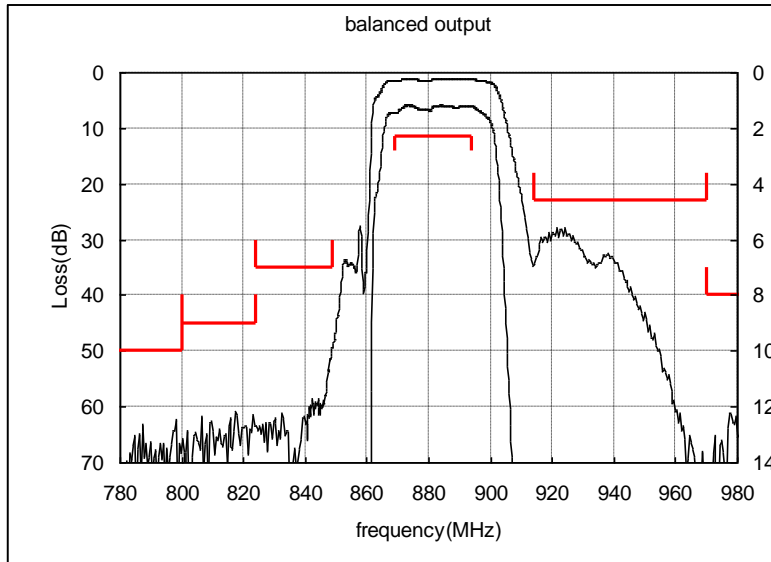
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

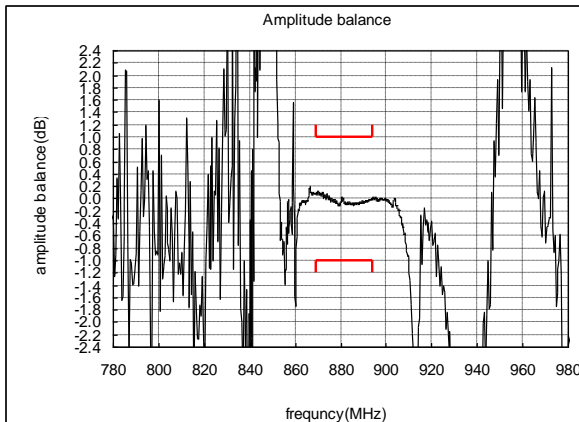
SAW FILTER FOR GSM850/GSM1900 (Rx)

Murata part number : SAWEP881MCM2F0Q($f_c=881.5\text{MHz}$)

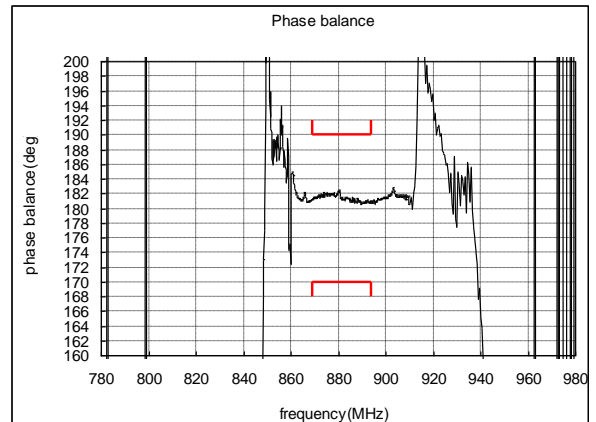
Frequency Performance



Amplitude balance



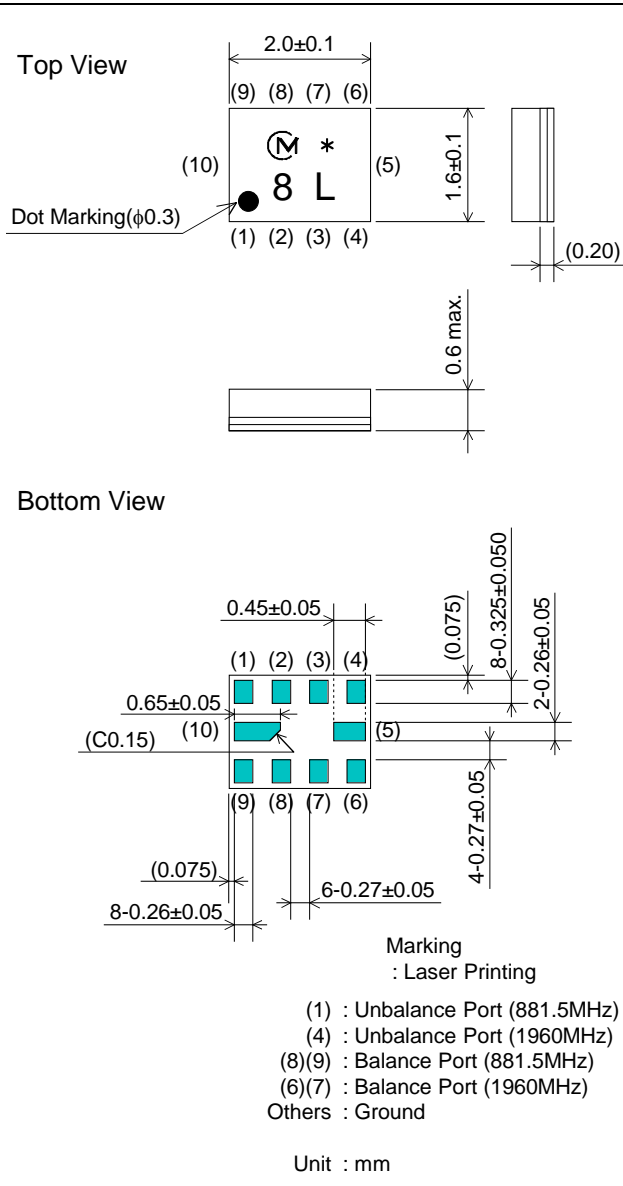
Phase balance



SAW FILTER FOR GSM850/GSM1900 (Rx)

Murata part number : SAWEP881MCM2F0Q($f_c=1960\text{MHz}$)

Package Dimensions



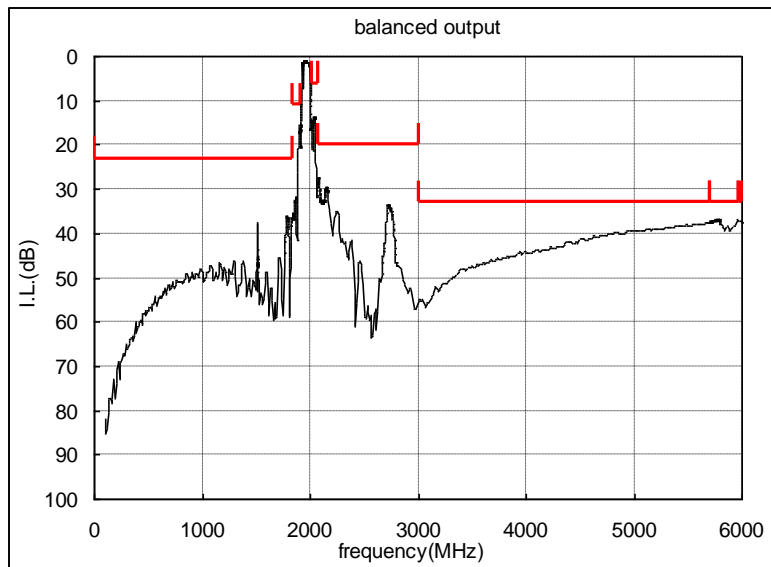
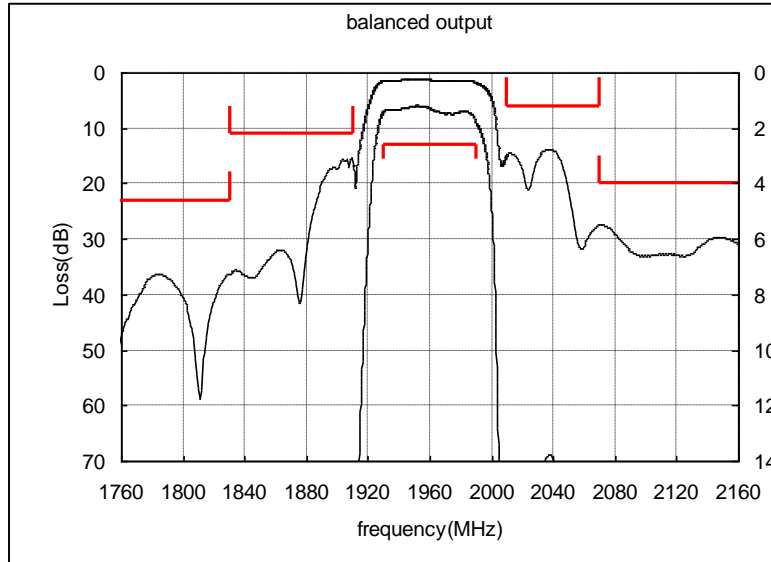
Specification

Item	Specification	
	-30 to +85°C	typ.
Nominal Center Frequency(f_c)	1960 MHz	
Insertion Loss (1930 to 1990 MHz)	2.6 dB max.	1.63 dB
Absolute Attenuation		
1) 0.1 to 1830 MHz	23 dB min.	32 dB
2) 1830 to 1910 MHz	11 dB min.	16 dB
3) 2010 to 2070 MHz	6 dB min.	15 dB
4) 2070 to 3000 MHz	20 dB min.	25 dB
5) 3000 to 5700 MHz	33 dB min.	38 dB
6) 5700 to 5970 MHz	33 dB min.	38 dB
7) 5970 to 6000 MHz	33 dB min.	39 dB
Ripple Deviation (1930 to 1990 MHz)	1.8 dB max.	0.53 dB
VSWR (1930 to 1990 MHz)	2.2 max.	1.61
Amplitude Balance (1930 to 1990 MHz)	± 1.5 dB max.	0.8 dB
Phase Balance (1930 to 1990 MHz)	180 ± 12 deg.	$180 + 3.6$ deg.
Unbalance Port Matching Impedance (nominal)	50Ω	
Balance Port Matching Impedance (nominal)	150Ω//27nH	
Input Signal Level	20mW (+13dBm), 2000 hours	

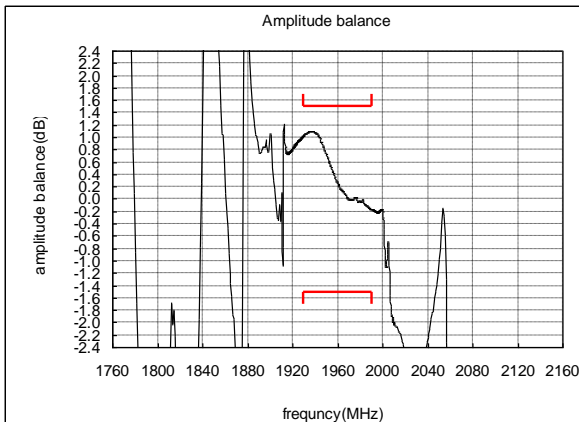
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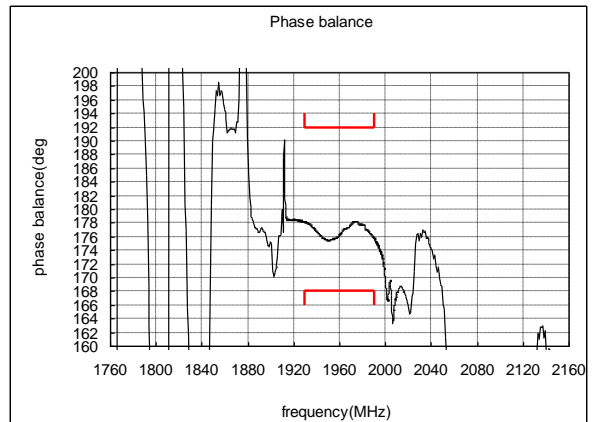
Frequency Performance



Amplitude balance



Phase balance

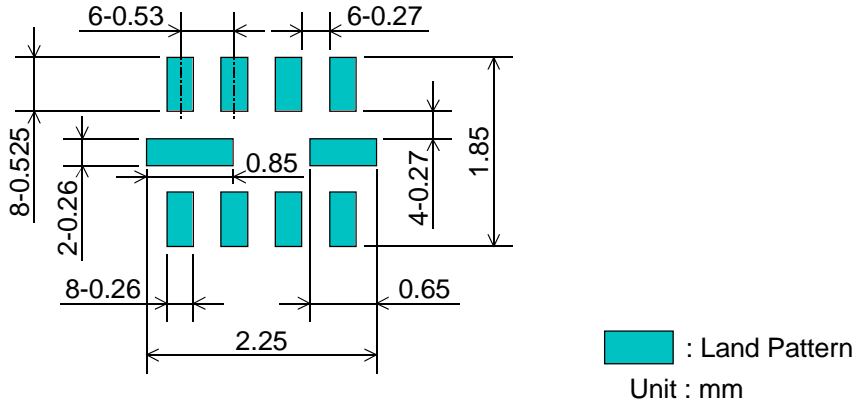


SAW FILTER FOR GSM850/GSM1900 (Rx)

Murata part number : SAWEP881MCM2F00

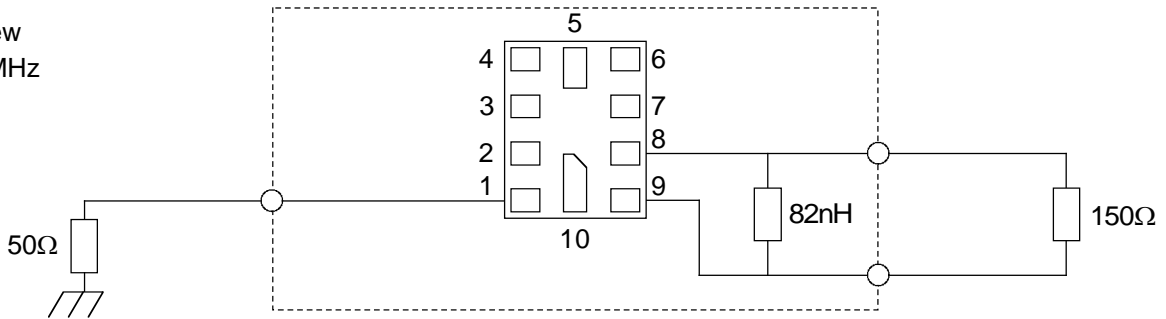
Recommended Land Pattern

Top View

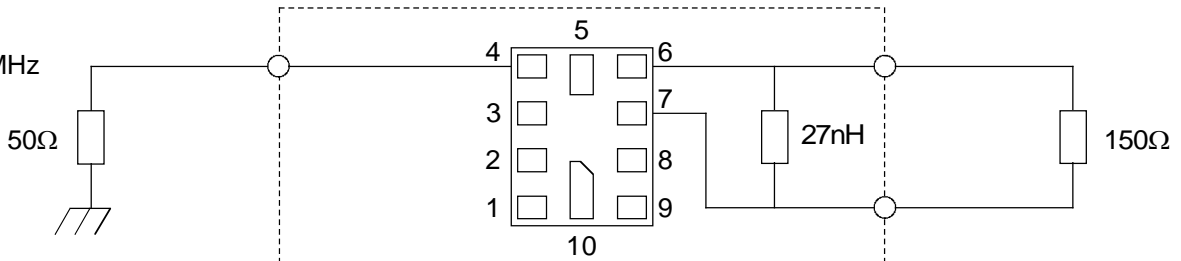


Test Circuit

Bottom View
881.5MHz



1960MHz



SAW FILTER FOR GSM850/GSM1900 (Rx)

Murata part number : SAWEP881MCM2F00

■ RoHS Compliance

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.