



Data Sheet of SAW Components



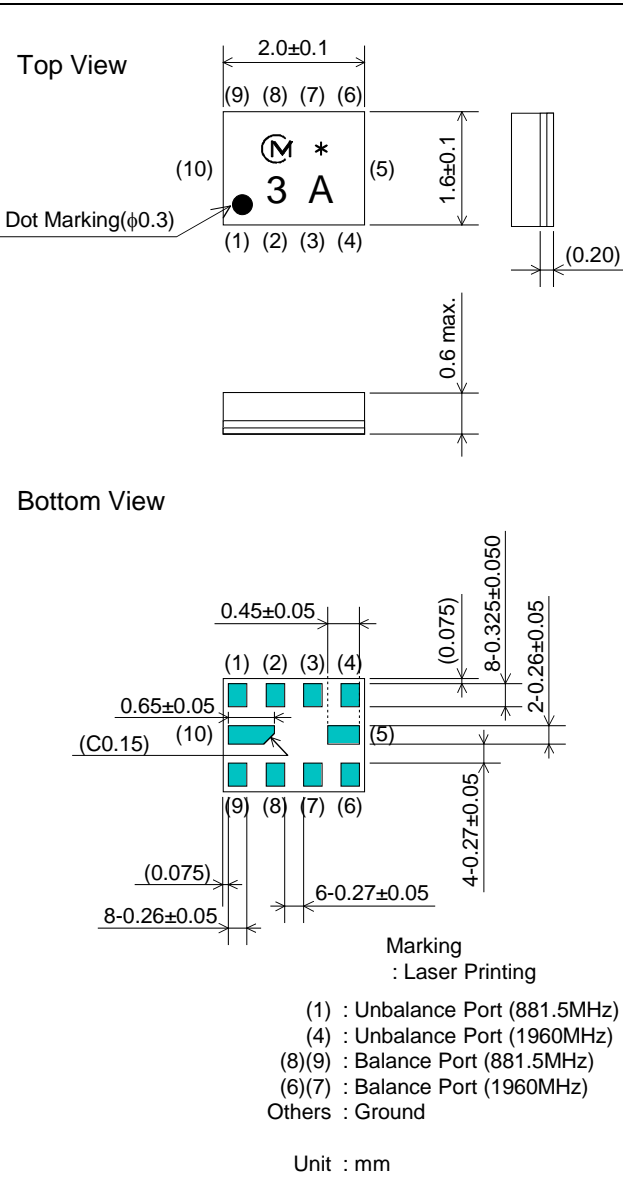
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR UMTS(W-CDMA)/CDMA2000 (Rx)

Murata part number : SAWEP881MCZ2F00 (fc=881.5MHz)

Package Dimensions

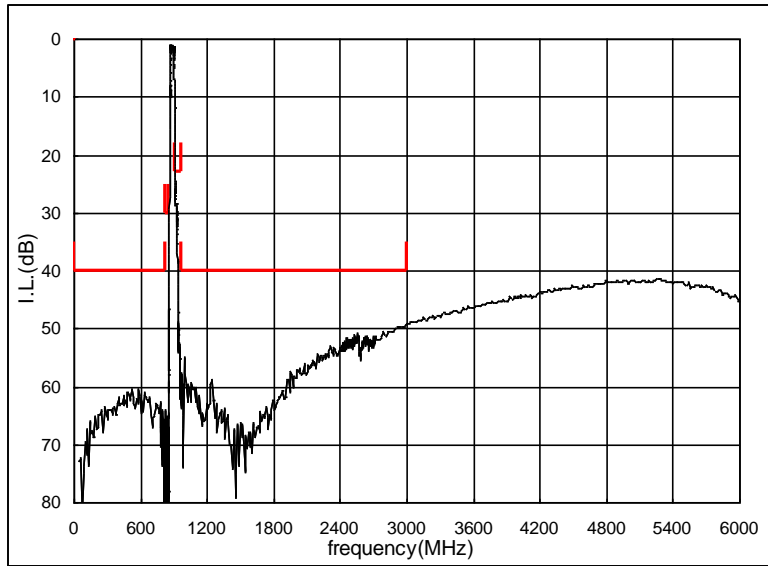
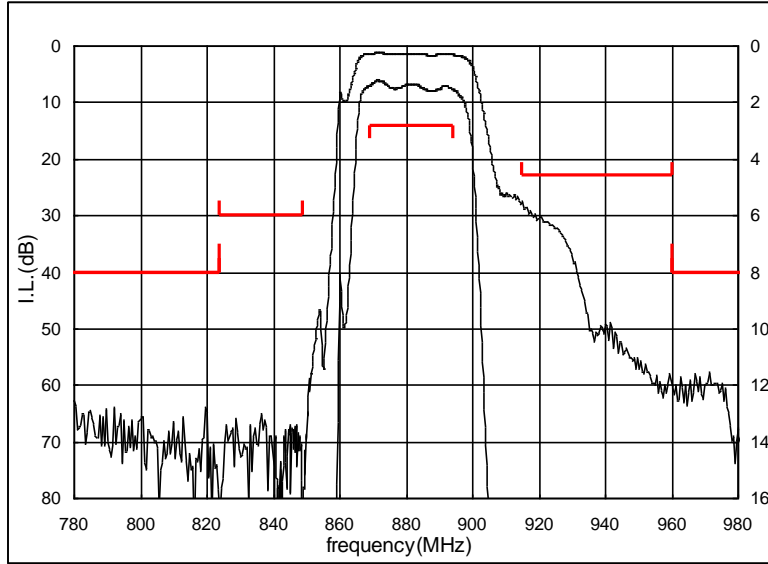


Item	Specification	
	-30 to +85°C	typ.
Nominal Center Frequency(fc)	881.5 MHz	
Insertion Loss (869 to 894 MHz)	2.8 dB max.	1.6 dB
Absolute Attenuation		
1) 0.1 to 824 MHz	40 dB min.	60 dB
2) 824 to 849 MHz	30 dB min.	60 dB
3) 915 to 960 MHz	23 dB min.	28 dB
4) 960 to 3000 MHz	40 dB min.	49 dB
Ripple Deviation (869 to 894 MHz)	1.5 dB max.	0.4 dB
VSWR (869 to 894 MHz)	2.0 max.	1.7
Amplitude Balance (869 to 894 MHz)	±1.0dB max.	-0.2 dB
Phase Balance (869 to 894 MHz)	180±10deg. max.	180-2deg.
Unbalance Port Matching Impedance (nominal)	50Ω	
Balance Port Matching Impedance (nominal)	100Ω	
Input Signal Level	31.6mW(+15dBm),2000hours	

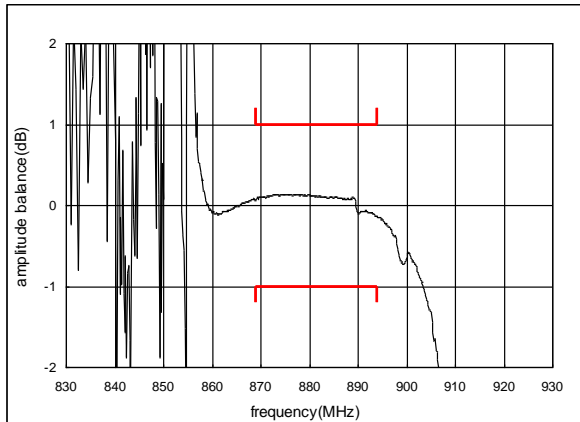
SAW FILTER FOR UMTS(W-CDMA)/CDMA2000 (Rx)

Murata part number : SAWEF881MCZ2F00 ($f_c=881.5\text{MHz}$)

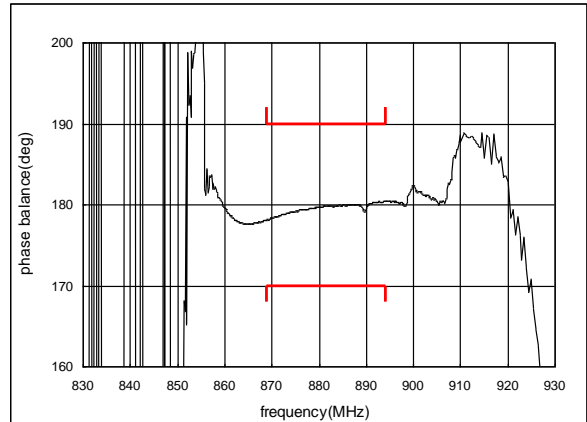
Frequency Performance



Amplitude balance



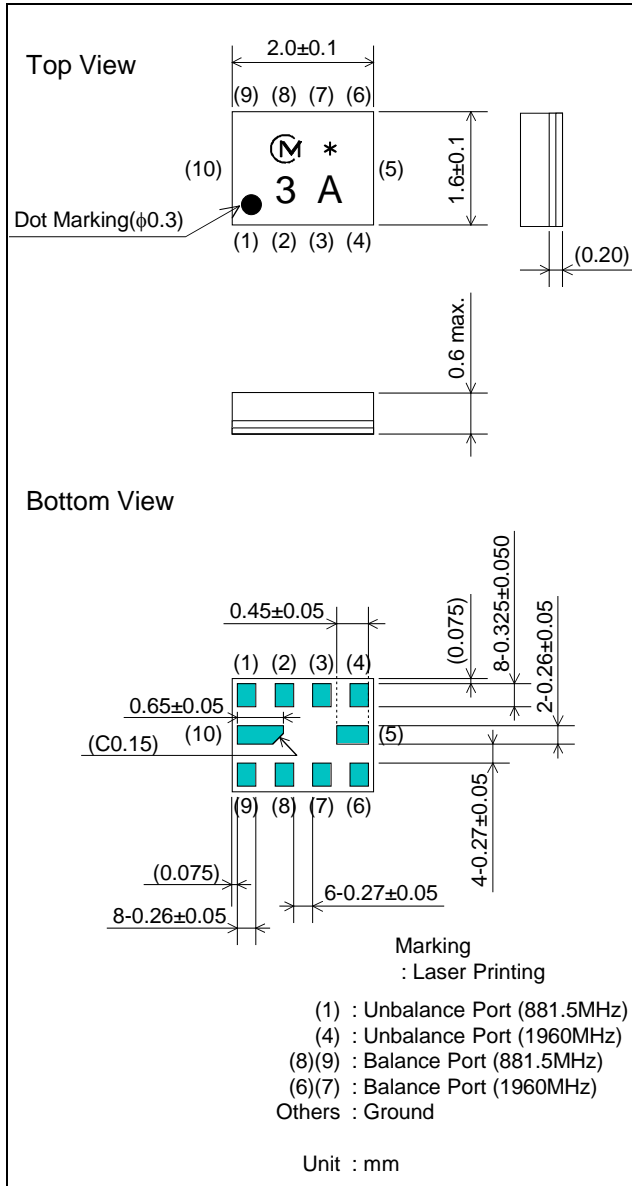
Phase balance



SAW FILTER FOR UMTS(W-CDMA)/CDMA2000 (Rx)

Murata part number : SAWEP881MCZ2F00 (fc=1960MHz)

■ Package Dimensions



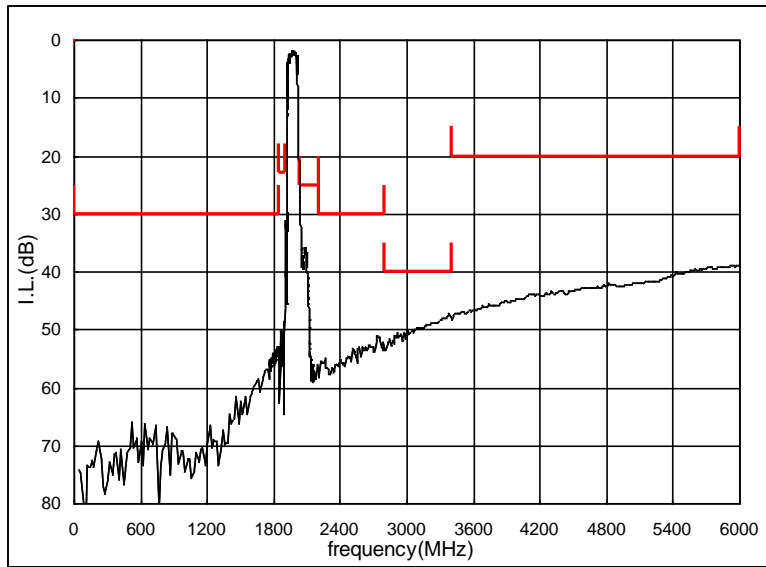
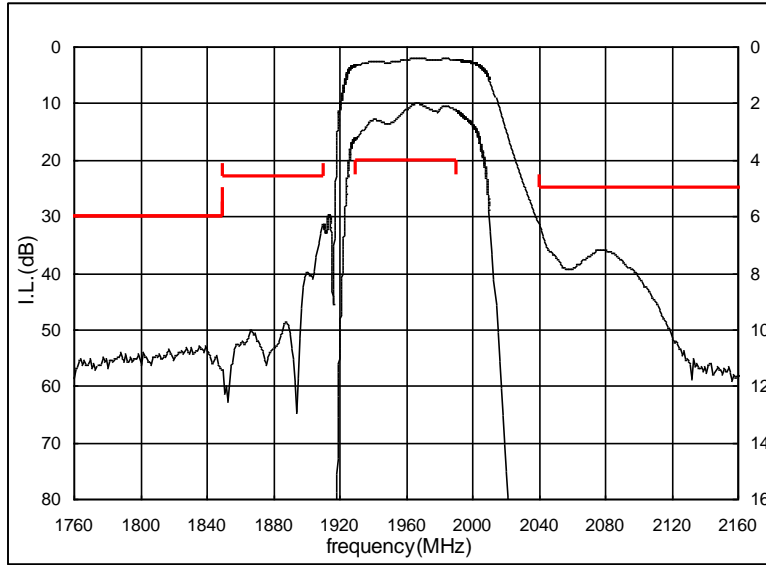
■ Specification

Item	Specification	
	-30 to +85°C	typ.
Nominal Center Frequency(f_c)	1960 MHz	
Insertion Loss (1930 to 1990 MHz)	4.0 dB max.	3.0 dB
Absolute Attenuation		
1) 0.1 to 1850 MHz	30 dB min.	52 dB
2) 1850 to 1910 MHz	23 dB min.	31 dB
3) 2040 to 2200 MHz	25 dB min.	30 dB
4) 2200 to 2800 MHz	30 dB min.	50 dB
5) 2800 to 3400 MHz	40 dB min.	47 dB
6) 3400 to 6000 MHz	20 dB min.	37 dB
Ripple Deviation (1930 to 1990 MHz)	2.1 dB max.	1.1 dB
VSWR (1930 to 1990 MHz)	2.4 max.	1.8
Amplitude Balance (1930 to 1990 MHz)	± 1.7 dB max.	-0.3 dB
Phase Balance (1930 to 1990 MHz)	180 ± 12 deg. max.	$180 - 6$ deg.
Unbalance Port Matching Impedance (nominal)	50 Ω	
Balance Port Matching Impedance (nominal)	100 Ω	
Input Signal Level	20mW(+13dBm), 2000hours	

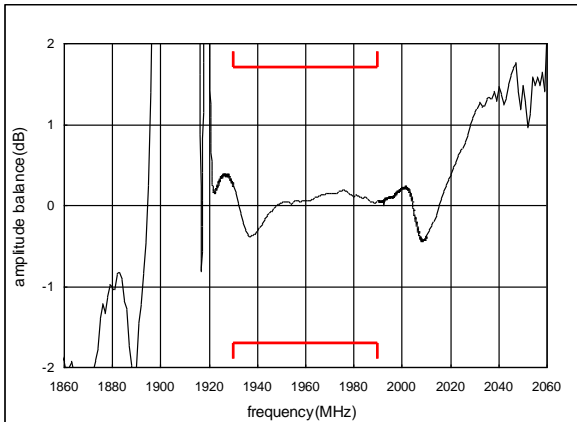
SAW FILTER FOR UMTS(W-CDMA)/CDMA2000 (Rx)

Murata part number : SAWEF881MCZ2F00 (fc=1960MHz)

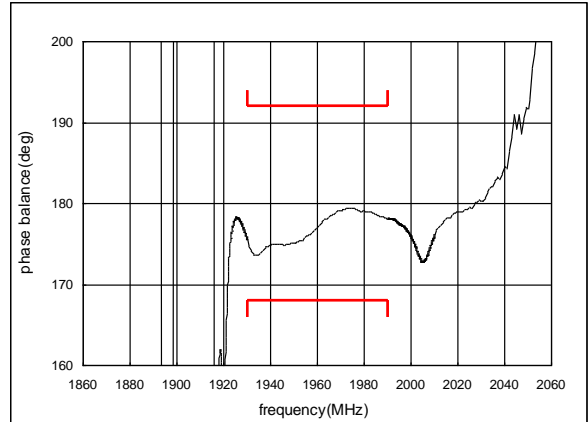
Frequency Performance



Amplitude balance



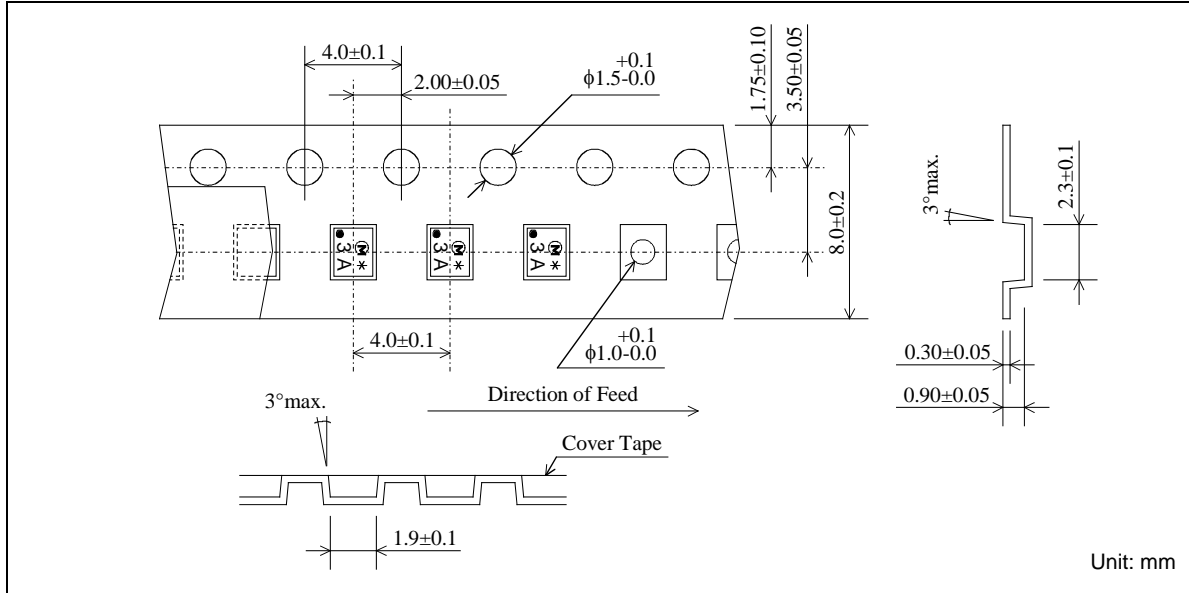
Phase balance



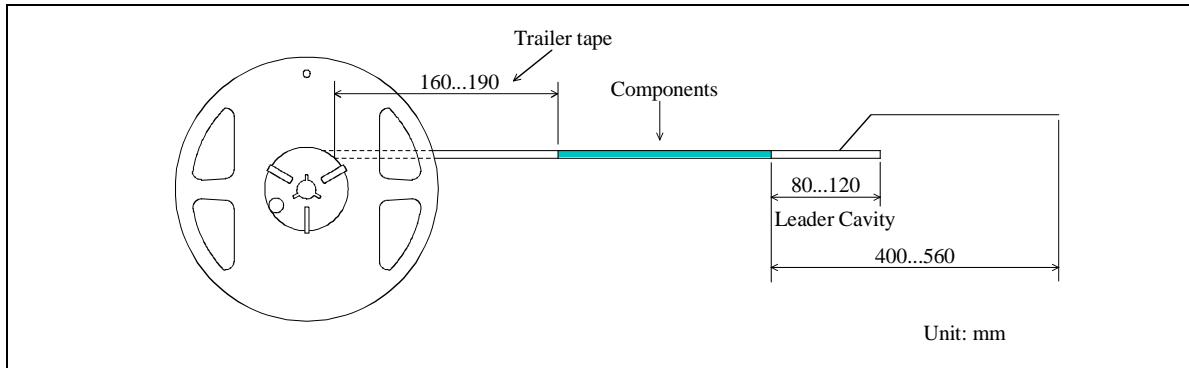
SAW FILTER FOR UMTS(W-CDMA)/CDMA2000 (Rx)

Murata part number : SAWEP881MCZ2F00

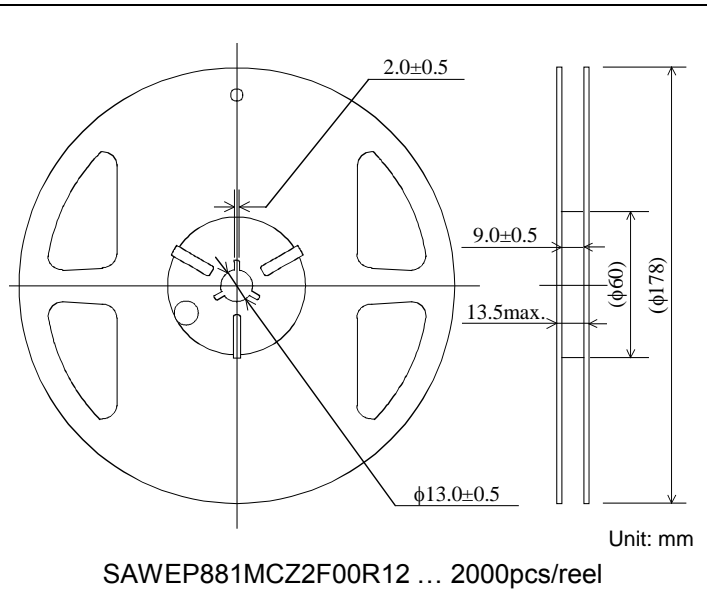
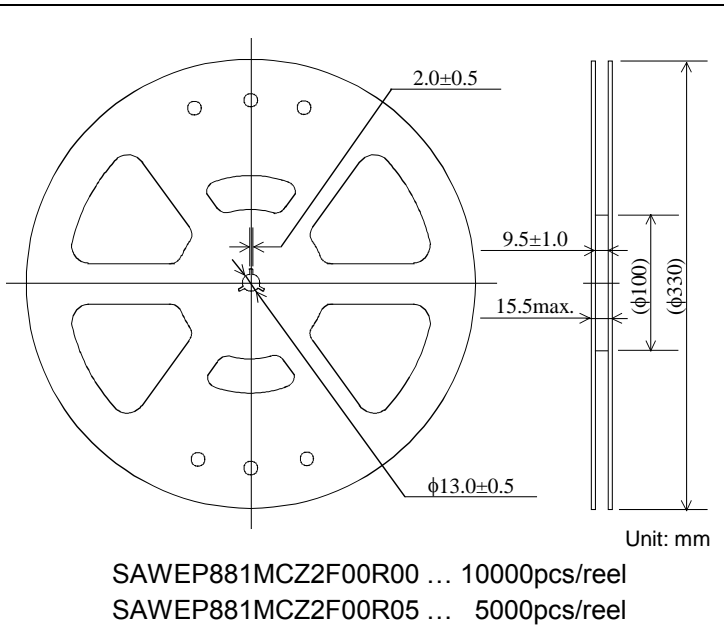
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel

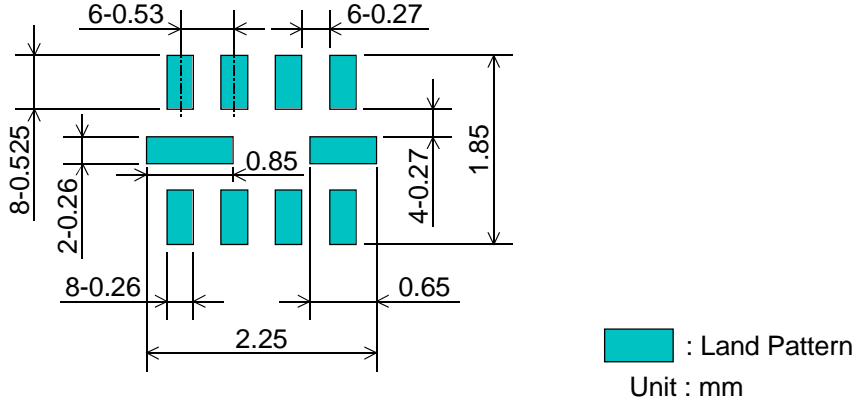


SAW FILTER FOR UMTS(W-CDMA)/CDMA2000 (Rx)

Murata part number : SAWEP881MCZ2F00

Recommended Land Pattern

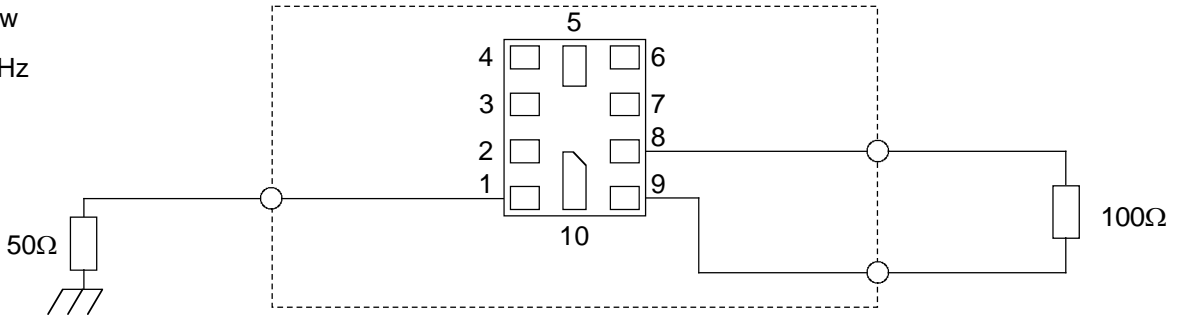
Top View



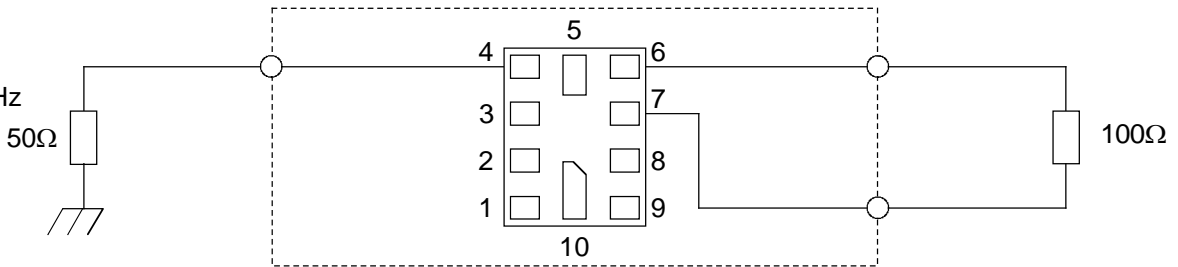
Test Circuit

Bottom View

881.5MHz



1960MHz



SAW FILTER FOR
UMTS(W-CDMA)/CDMA2000 (Rx)
Murata part number : SAWEP881MCZ2F00

■ 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.