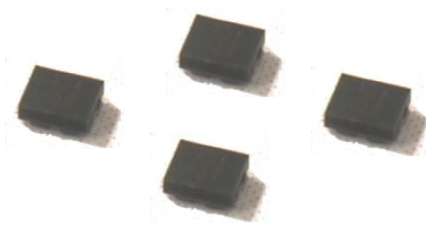




Data Sheet of SAW Components



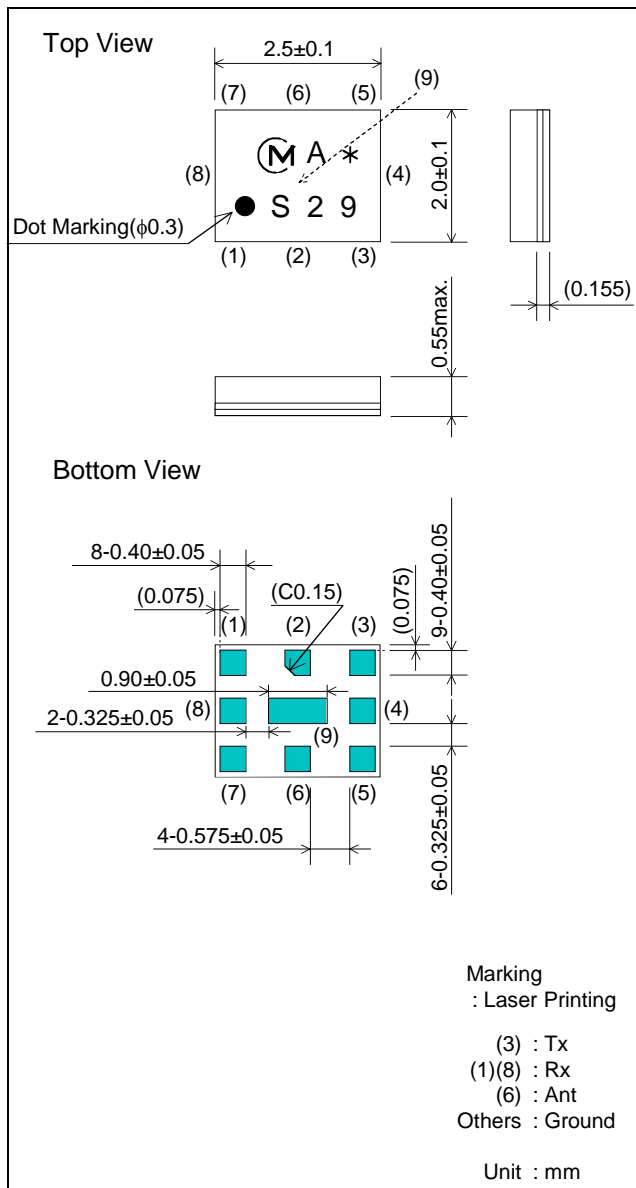
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00 [Tx→ANT]

Package Dimensions



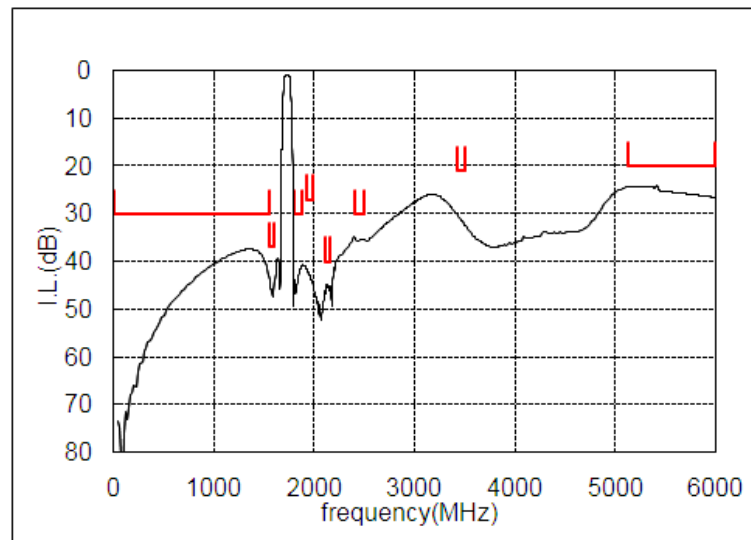
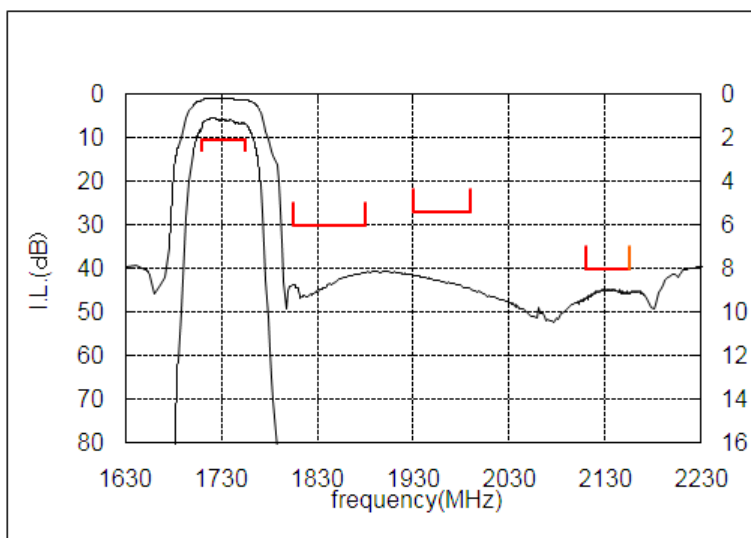
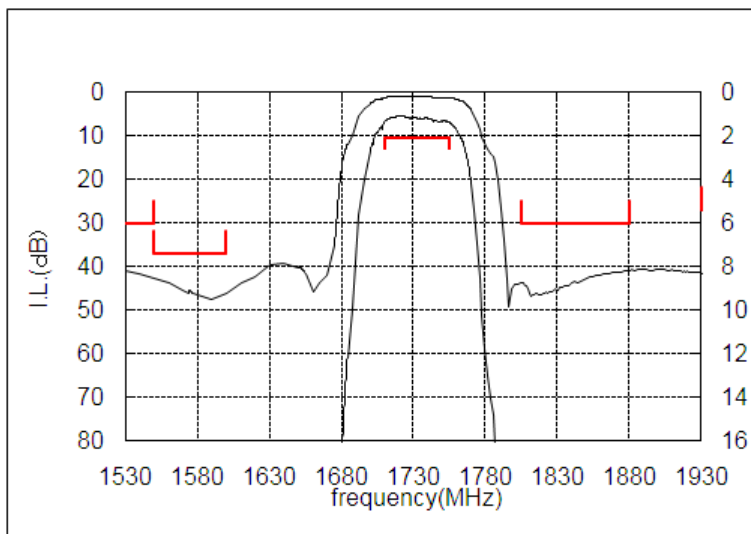
Specification

Item	Specification	
	-30 to 80°C	typ.
Nominal Center Frequency(fc)	1732.5MHz	
Insertion Loss (1710 to 1755MHz)	2.1 dB max.	1.5 dB
Absolute Attenuation		
1) 0.3 to 1550 MHz	30 dB min.	37 dB
2) 1550 to 1600 MHz	37 dB min.	42 dB
3) 1805 to 1880 MHz	30 dB min.	40 dB
4) 1930 to 1990 MHz	27 dB min.	40 dB
5) 2110 to 2155 MHz	40 dB min.	43 dB
6) 2400 to 2500 MHz	30 dB min.	34 dB
7) 3420 to 3510 MHz	21 dB min.	30 dB
8) 5130 to 6000 MHz	20 dB min.	25 dB
Ripple Deviation (1710 to 1755MHz)	1.1 dB max.	0.3 dB
Ripple Deviation any 3.84MHz (1710 to 1755MHz)	0.7 dB max.	0.2 dB
VSWR (1710 to 1755MHz)	2.0 max.	1.7
ANT Port Matching Impedance(nominal)	50Ω//2.9nH	
Tx Port Matching Impedance(nominal)	50Ω	
Rx Port Matching Impedance(nominal)	100Ω//15nH	
Input Signal Level	1.0W, 50000 hours (55°C)	

SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00 [Tx→ANT]

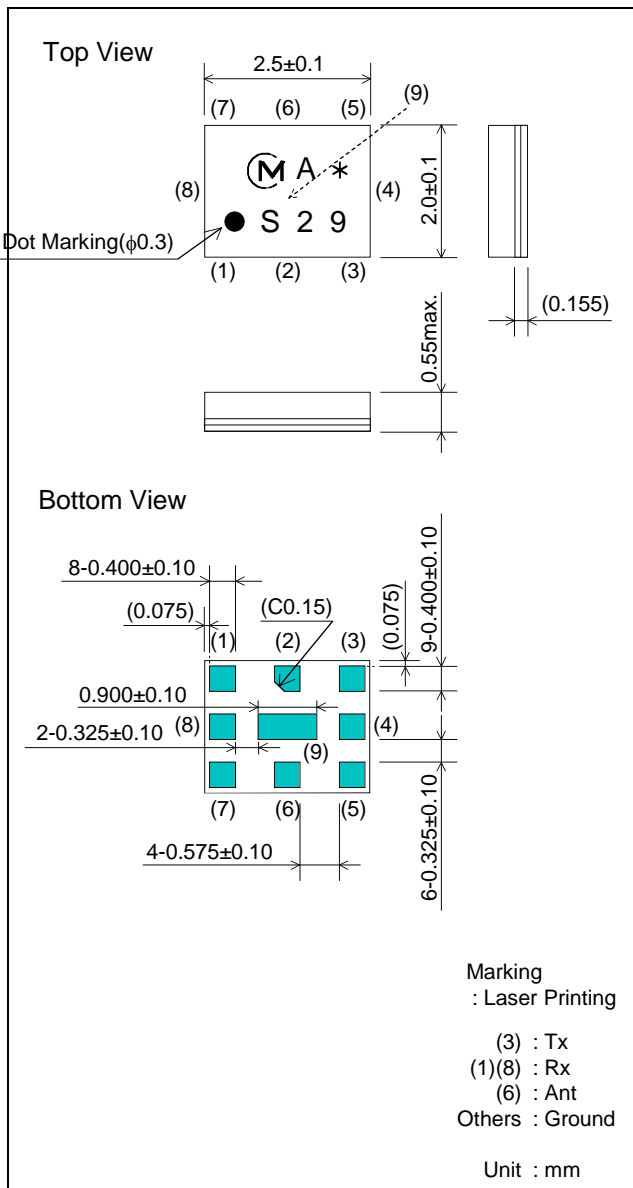
■ Frequency Performance



SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00 [ANT→Rx]

Package Dimensions



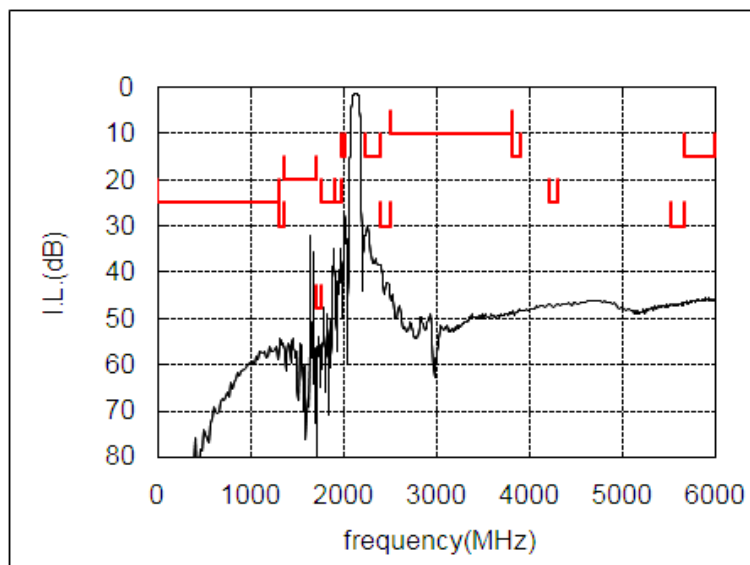
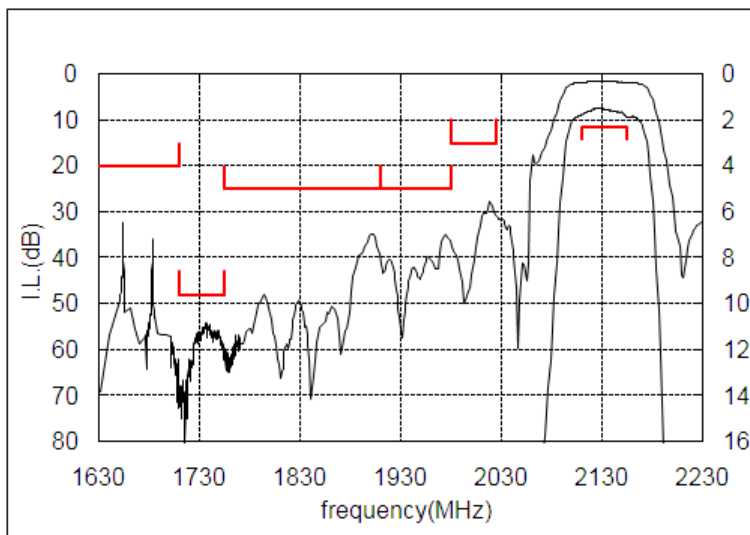
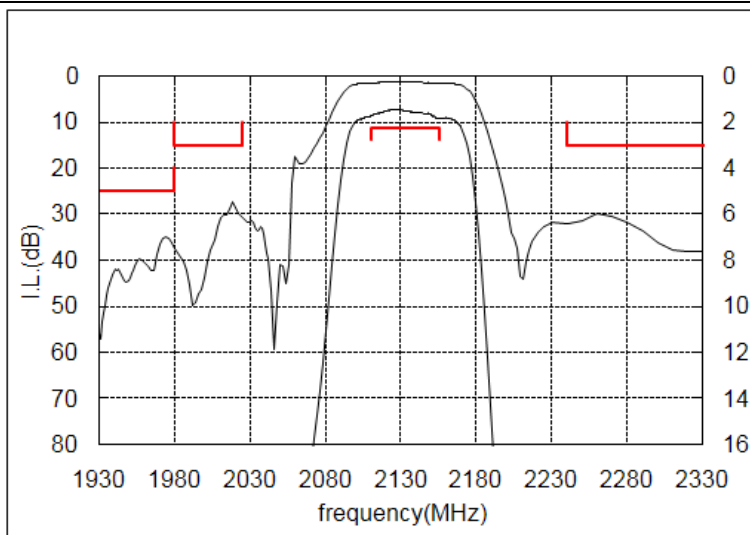
Specification

Item	Specification	
	-30 to 80°C	typ.
Nominal Center Frequency(fc)	2132.5MHz	
Insertion Loss (2110 to 2155MHz)	2.3 dB max.	1.9 dB
Absolute Attenuation		
1) 0.3 to 1310 MHz	25 dB min.	56 dB
2) 1310 to 1355 MHz	30 dB min.	55 dB
3) 1355 to 1710 MHz	20 dB min.	34 dB
4) 1710 to 1755 MHz	48 dB min.	56 dB
5) 1755 to 1910 MHz	25 dB min.	35 dB
6) 1910 to 1980 MHz	25 dB min.	35 dB
7) 1980 to 2025 MHz	15 dB min.	27 dB
8) 2240 to 2400 MHz	15 dB min.	31 dB
9) 2400 to 2500 MHz	30 dB min.	39 dB
10) 2500 to 3820 MHz	10 dB min.	43 dB
11) 3820 to 3910 MHz	15 dB min.	47 dB
12) 4220 to 4310 MHz	25 dB min.	46 dB
13) 5530 to 5665 MHz	30 dB min.	43 dB
14) 5665 to 6000 MHz	15 dB min.	42 dB
Ripple Deviation (2110 to 2155MHz)	1.0 dB max.	0.3 dB
Ripple Deviation any 3.84MHz (2110 to 2155MHz)	0.4 dB max.	0.2 dB
Amplitude Balance (2110 to 2155MHz)	±1.5 max.	1.3dB
Phase Balance (2110 to 2155MHz)	180±10deg. max.	180±5.2deg.
VSWR (2110 to 2155MHz)	2.2 max.	1.8

SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00 [Tx→ANT]

■ Frequency Performance

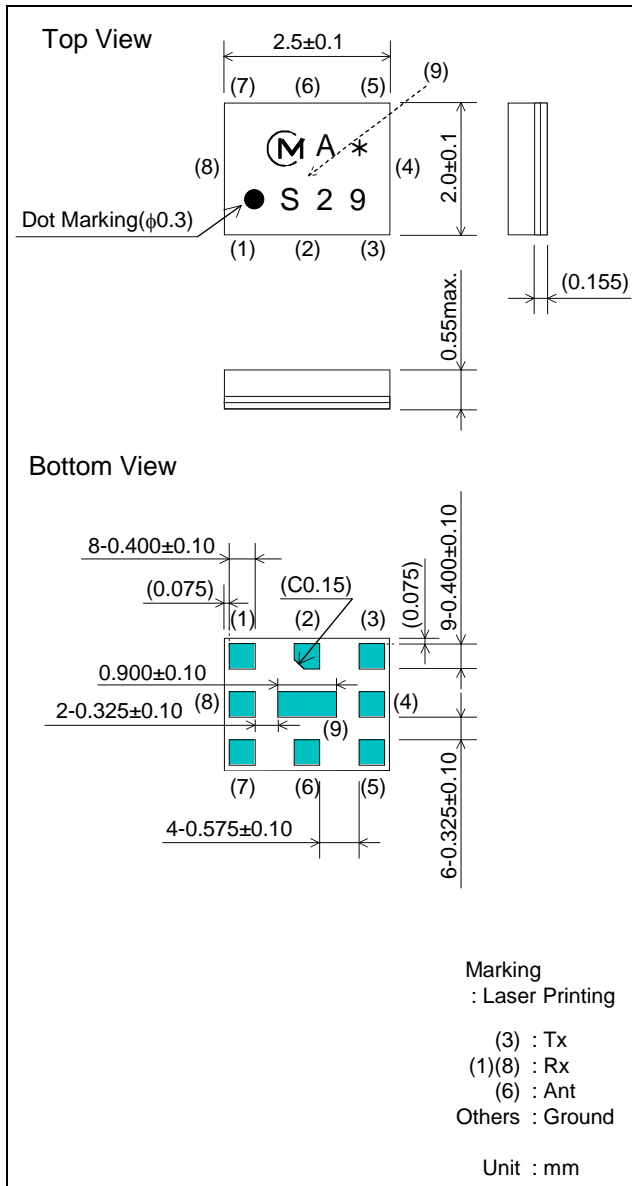


SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00 [Tx→Rx]

Package Dimensions

Specification

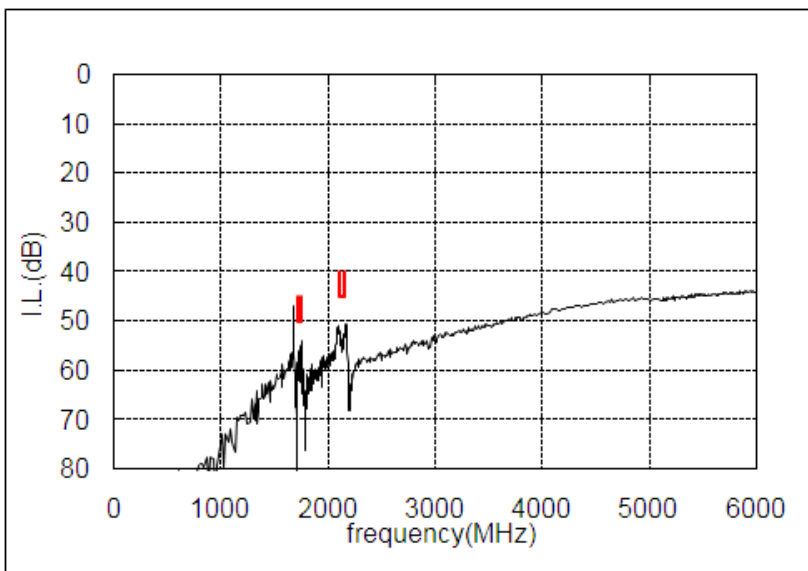
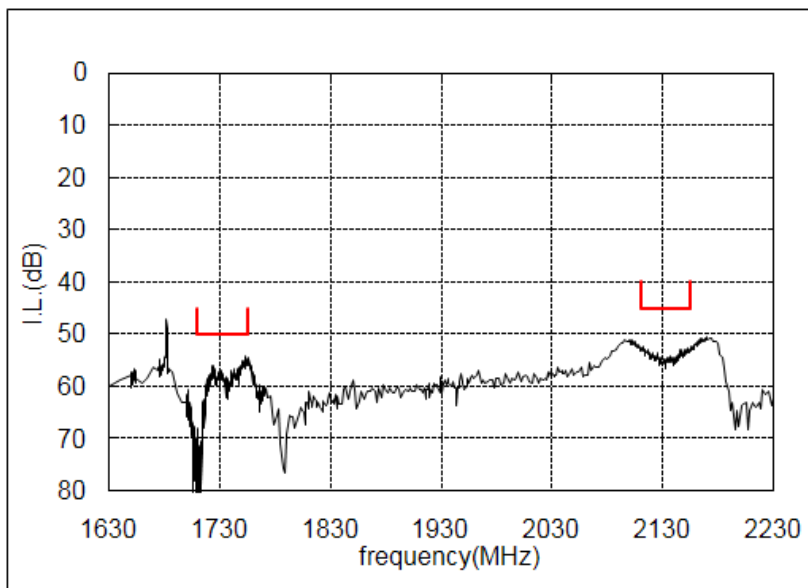


Item	Specification	
	-30 to 80°C	typ.
Isolation		
1) 1710 to 1755 MHz	50 dB min.	54 dB
2) 2110 to 2155 MHz	45 dB min.	48 dB

SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00 [Tx→Rx]

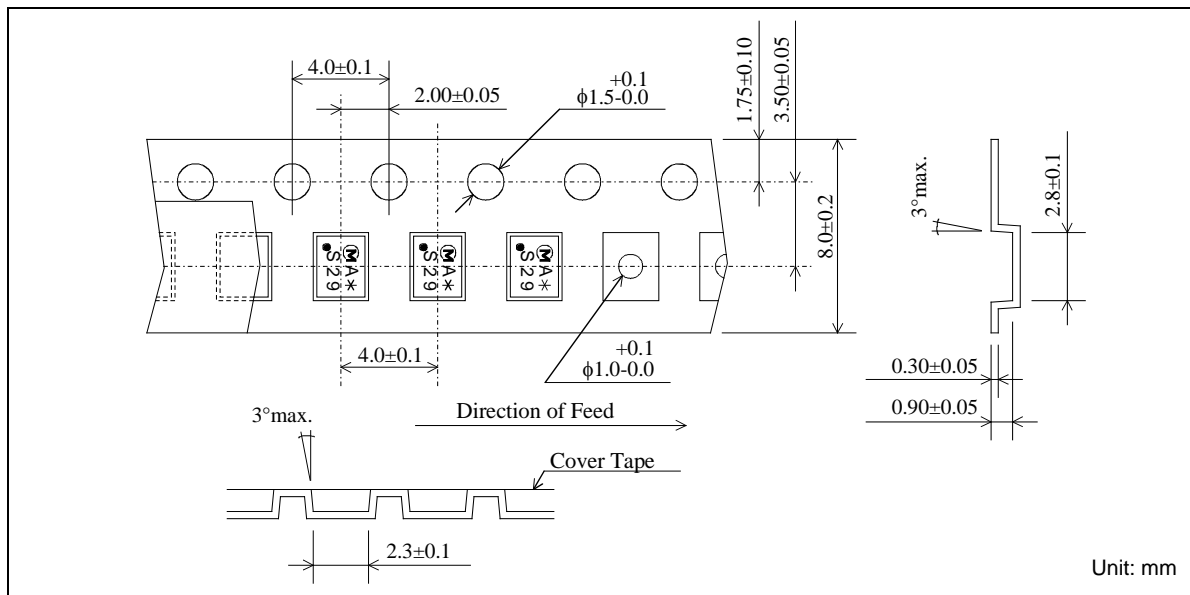
Frequency Performance



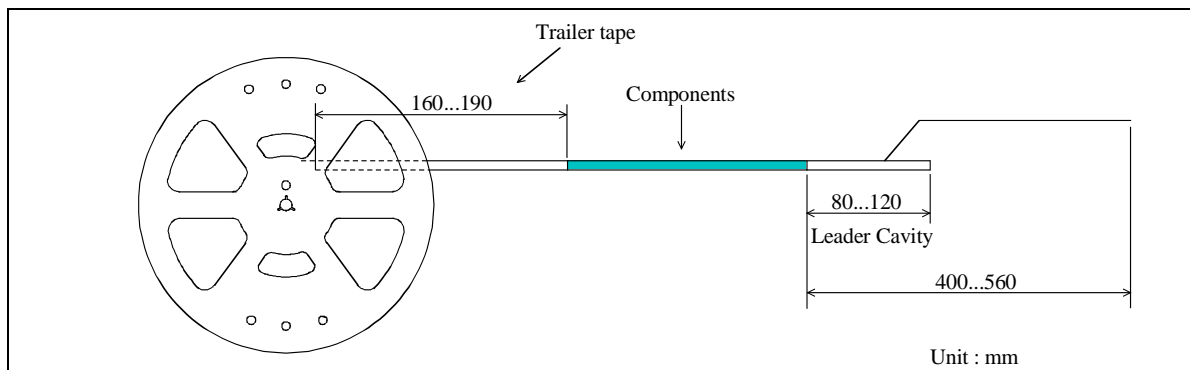
SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00

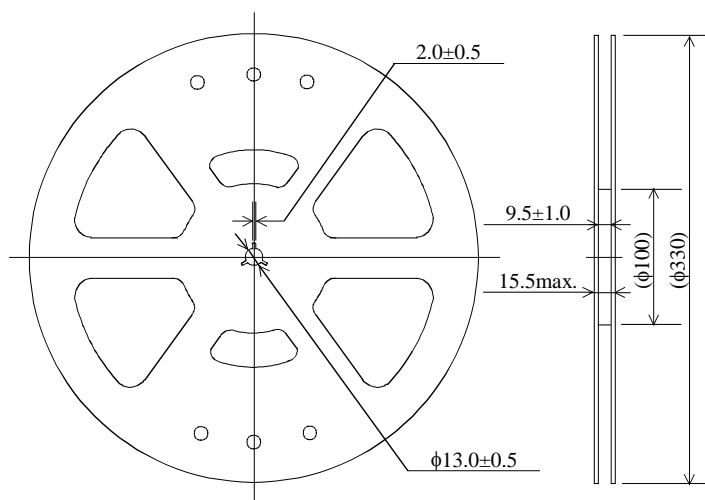
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



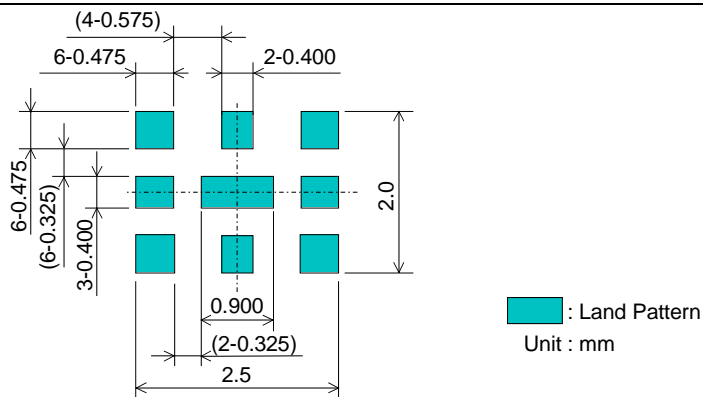
SAYFP1G73CA0F00R00 ... 10000pcs/reel
SAYFP1G73CA0F00R05 ... 5000pcs/reel

SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00

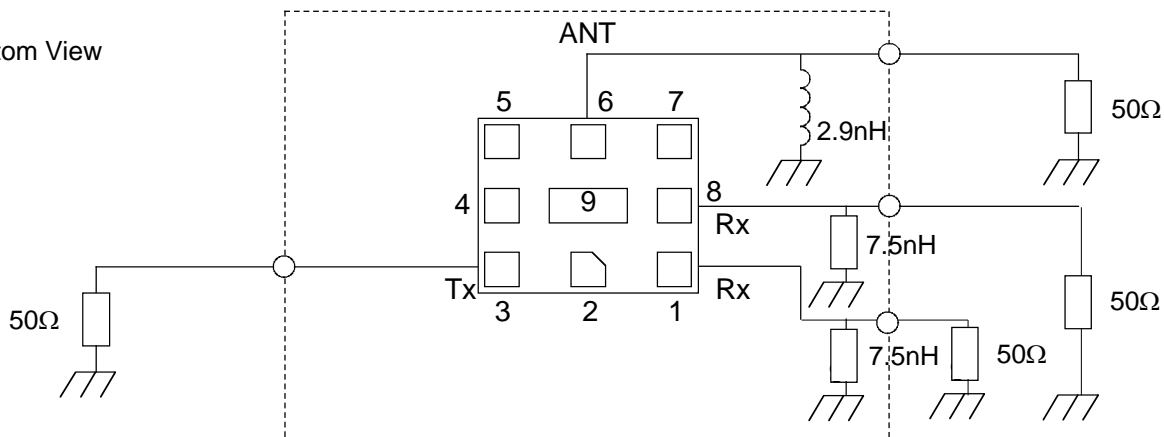
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW DPX FOR UMTS BAND4

Murata part number :SAYFP1G73CA0F00

■ 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.