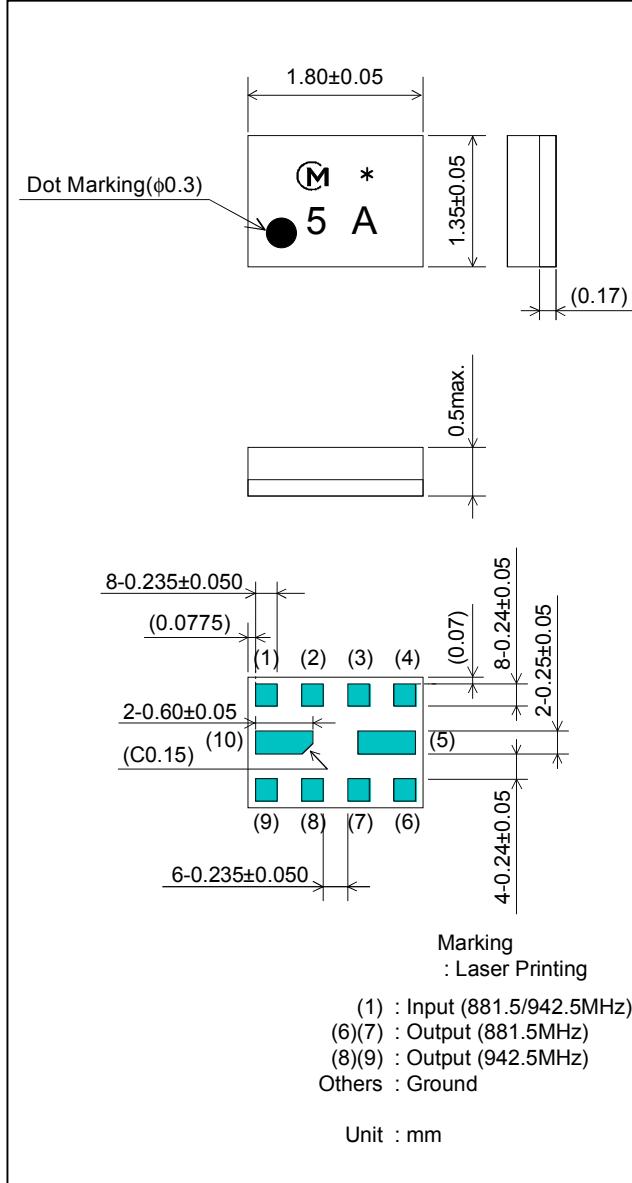


SAW FILTER FOR GSM850/GSM900 (Rx)

Murata part number : SAWEN881MCY0F00($f_c=881.5\text{MHz}$)

■ Package Dimensions



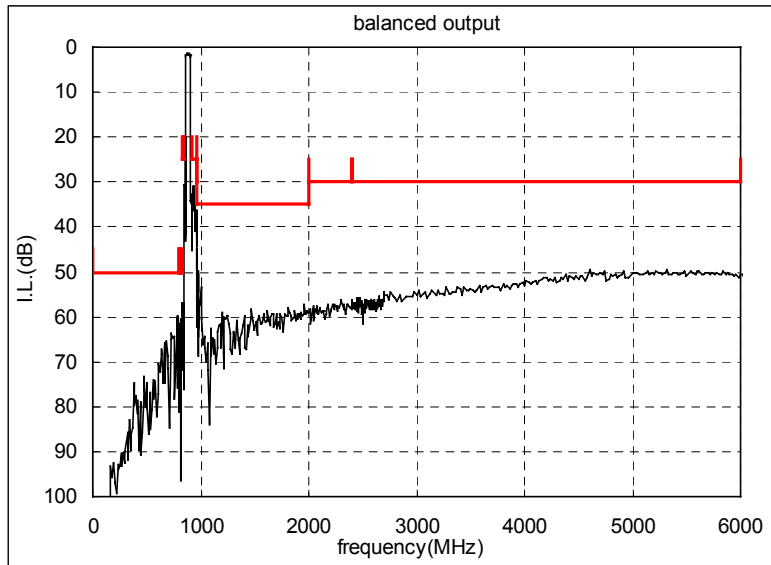
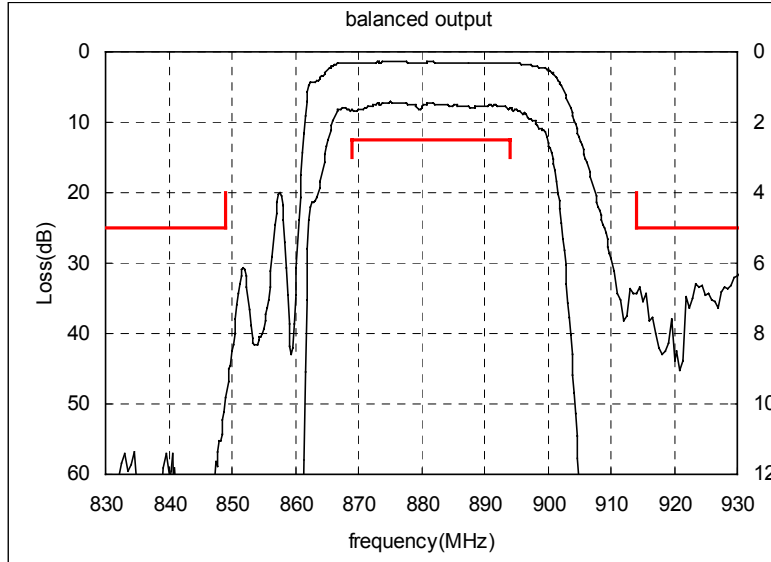
■ Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(f_c)	881.5MHz		
Insertion Loss (869 to 894MHz)	2.5dB max.	2.1dB max.	1.7 dB
Absolute Attenuation			
1) 0.1 to 800 MHz	50 dB min.	50 dB min.	60 dB
2) 800 to 824 MHz	50 dB min.	50 dB min.	59 dB
3) 824 to 849 MHz	25 dB min.	30 dB min.	47 dB
4) 914 to 960 MHz	25 dB min.	25 dB min.	30 dB
5) 960 to 970 MHz	30 dB min.	30 dB min.	37 dB
6) 970 to 2000 MHz	35 dB min.	35 dB min.	50 dB
7) 2000 to 2400 MHz	30 dB min.	30 dB min.	55 dB
8) 2400 to 6000 MHz	30 dB min.	30 dB min.	47 dB
Ripple Deviation (869 to 894MHz)	1.5 dB max.	1.1 dB max.	0.3 dB
VSWR (869 to 894MHz)	2.0 max.	1.8 max.	1.5
Amplitude Balance (869 to 894MHz)	±0.8dB max.	±0.8dB max.	+0.2dB
Phase Balance (869 to 894MHz)	180±5deg. max.	180±5deg. max.	180+2.0deg.
Input Impedance (nominal)	50Ω//8.2nH		
Output Impedance (nominal)	150Ω//56nH		
Input Signal Level	31.6mW (+15dBm), 2000 hours		

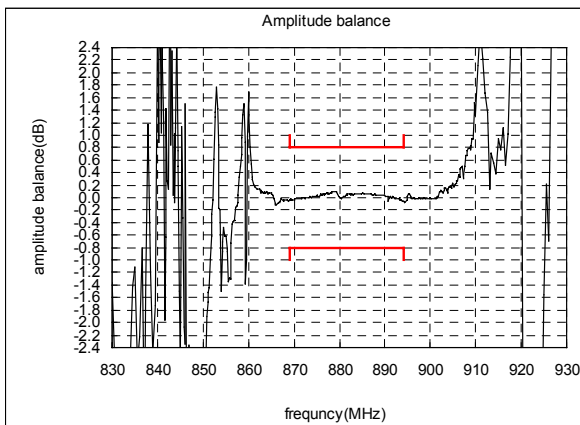
SAW FILTER FOR GSM850/GSM900 (Rx)

Murata part number : SAWEN881MCY0F00($f_c=881.5\text{MHz}$)

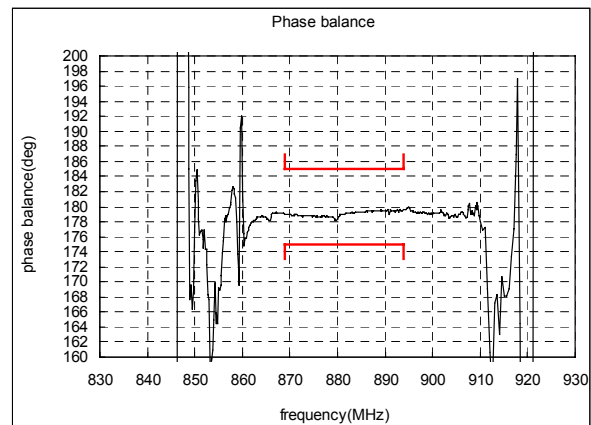
■ Frequency Performance



Amplitude balance



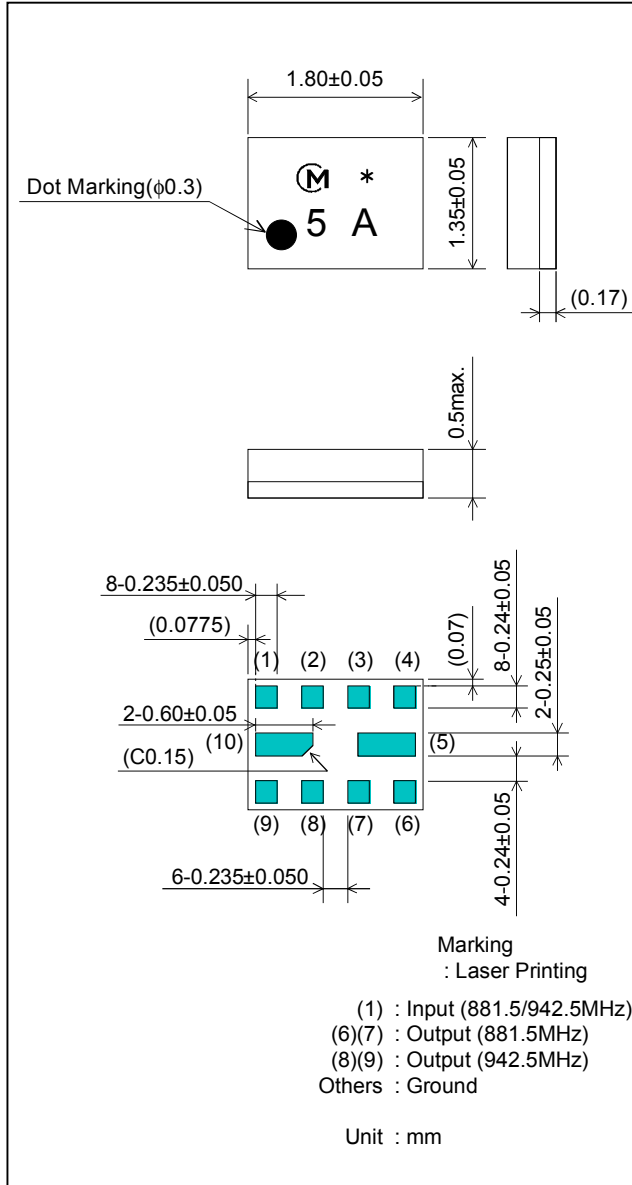
Phase balance



SAW FILTER FOR GSM850/GSM900 (Rx)

Murata part number : SAWEN881MCY0F00($f_c=942.5\text{MHz}$)

■ Package Dimensions



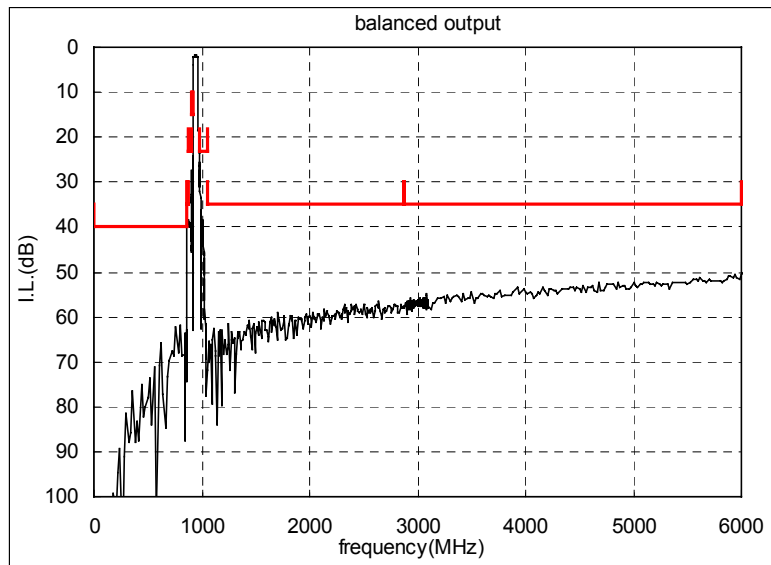
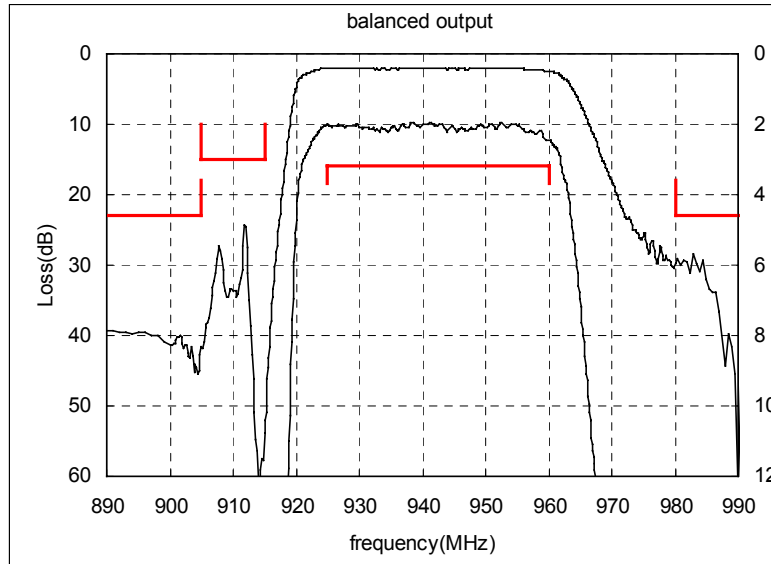
■ Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(f_c)	942.5MHz		
Insertion Loss (925 to 960MHz)	3.2dB max.	3.0dB max.	2.4 dB
Absolute Attenuation			
1) 0.1 to 860 MHz	40 dB min.	40 dB min.	55 dB
2) 860 to 880 MHz	35 dB min.	35 dB min.	40 dB
3) 880 to 905 MHz	23 dB min.	25 dB min.	40 dB
4) 905 to 915 MHz	15 dB min.	18 dB min.	24 dB
5) 980 to 1050 MHz	23 dB min.	23 dB min.	28 dB
6) 1050 to 2880 MHz	35 dB min.	35 dB min.	54 dB
7) 2880 to 6000 MHz	35 dB min.	35 dB min.	45 dB
Ripple Deviation (925 to 960MHz)	1.5 dB max.	1.3 dB max.	0.5 dB
VSWR (925 to 960MHz)	2.1 max.	1.9max.	1.5
Amplitude Balance (925 to 960MHz)	±0.8dB max.	±0.5dB max.	+0.1dB
Phase Balance (925 to 960MHz)	180±5deg. max.	180±5deg. max.	180+2.0deg.
Input Impedance (nominal)	50Ω//8.2nH		
Output Impedance (nominal)	150Ω//47nH		
Input Signal Level	31.6mW (+15dBm), 2000 hours		

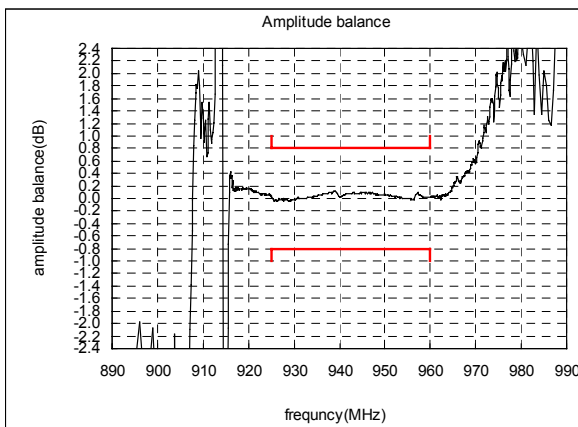
SAW FILTER FOR GSM850/GSM900 (Rx)

Murata part number : SAWEN881MCY0F00($f_c=942.5\text{MHz}$)

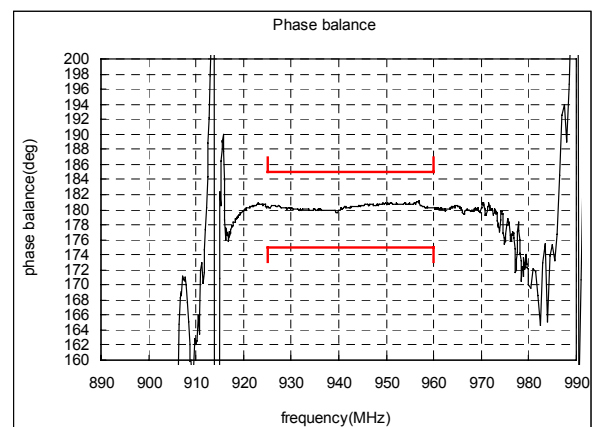
■ Frequency Performance



Amplitude balance



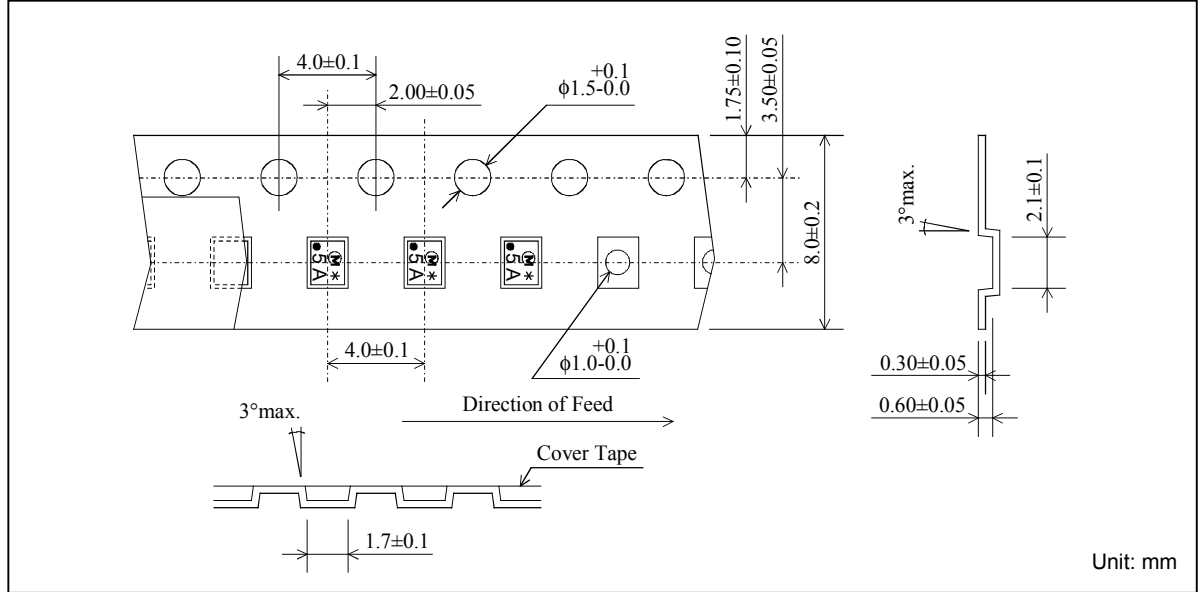
Phase balance



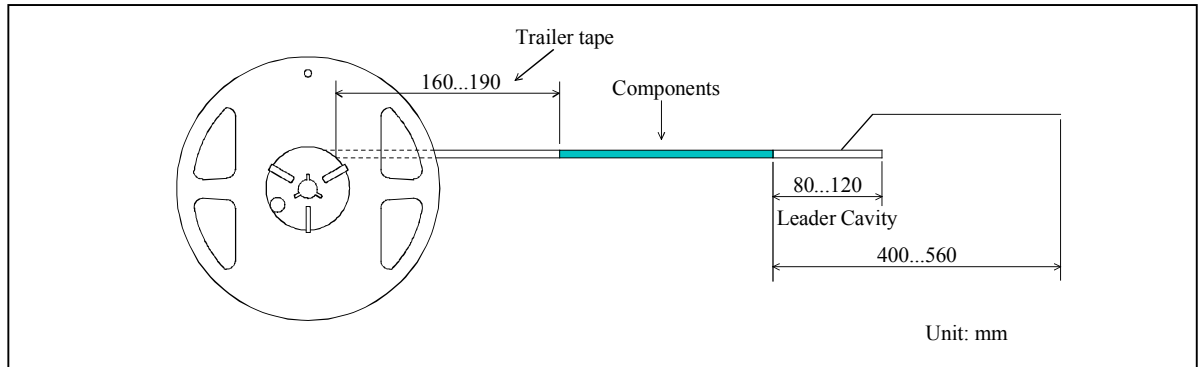
SAW FILTER FOR GSM850/GSM900 (Rx)

Murata part number : SAWEN881MCY0F00

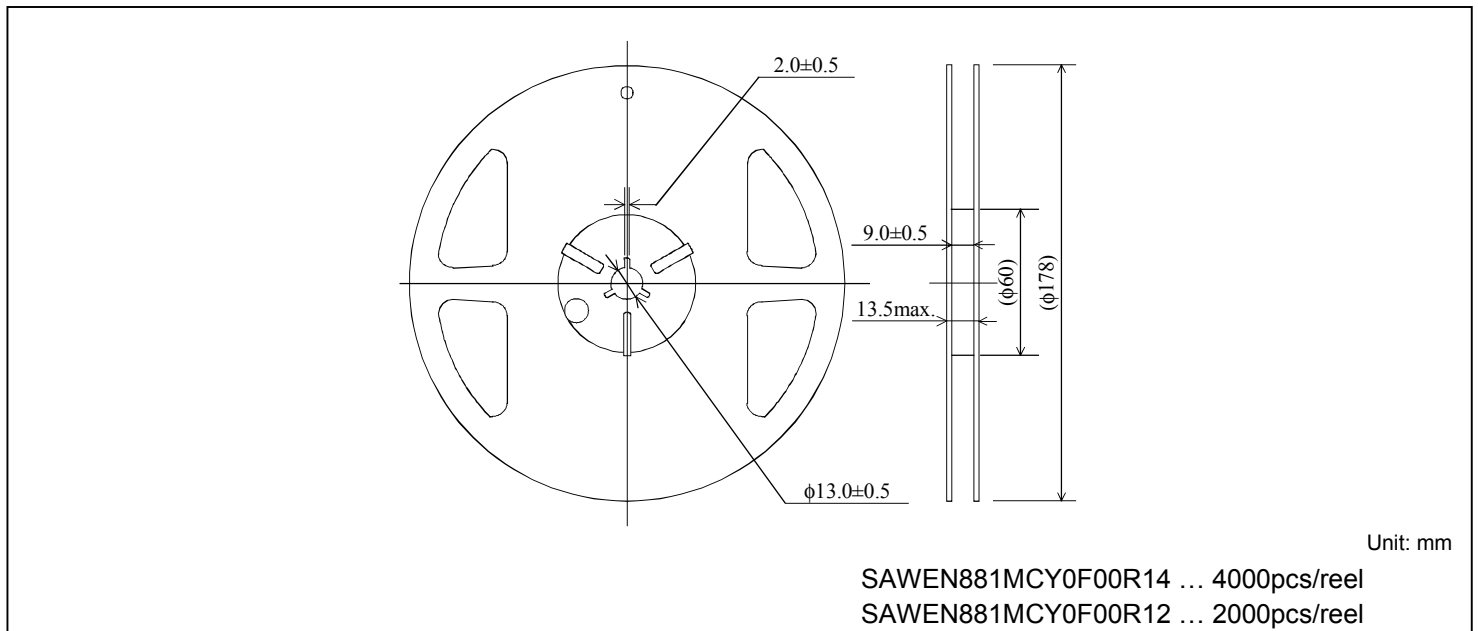
■ Dimensions of Carrier Tape



■ Dimensions of Tape



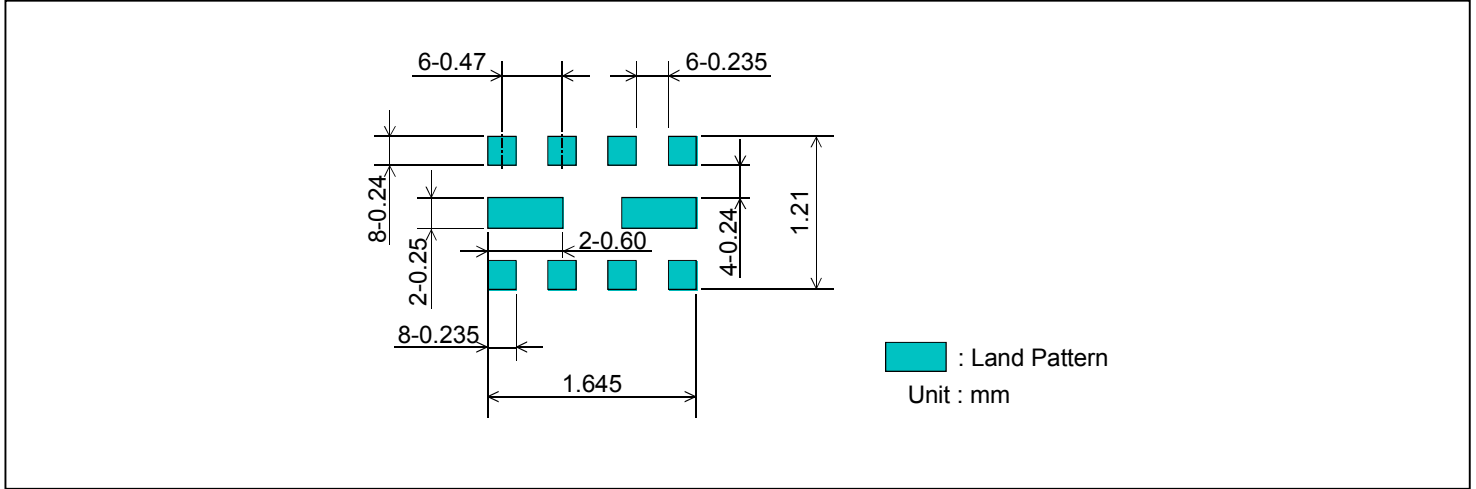
■ Dimensions of Reel



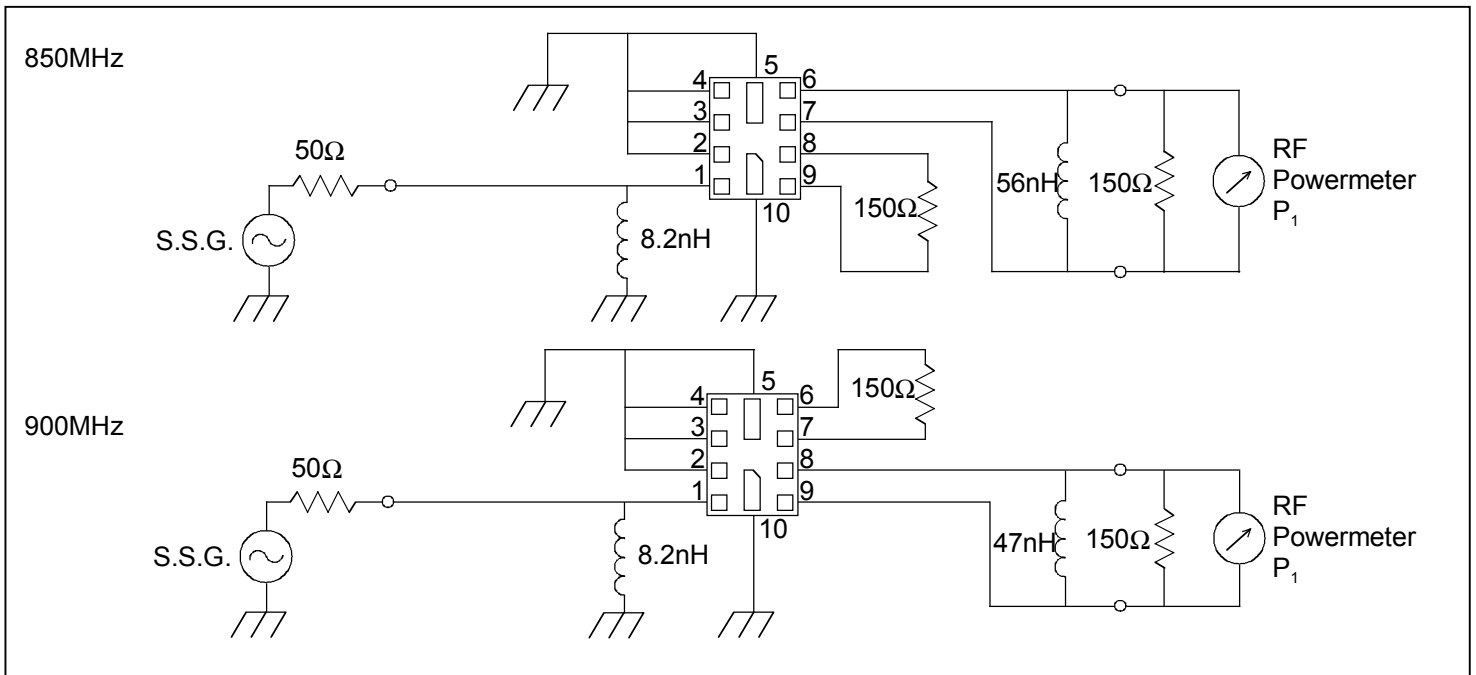
SAW FILTER FOR GSM850/GSM900 (Rx)

Murata part number : SAWEN881MCY0F00

Recommended Land Pattern



Test Circuit



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