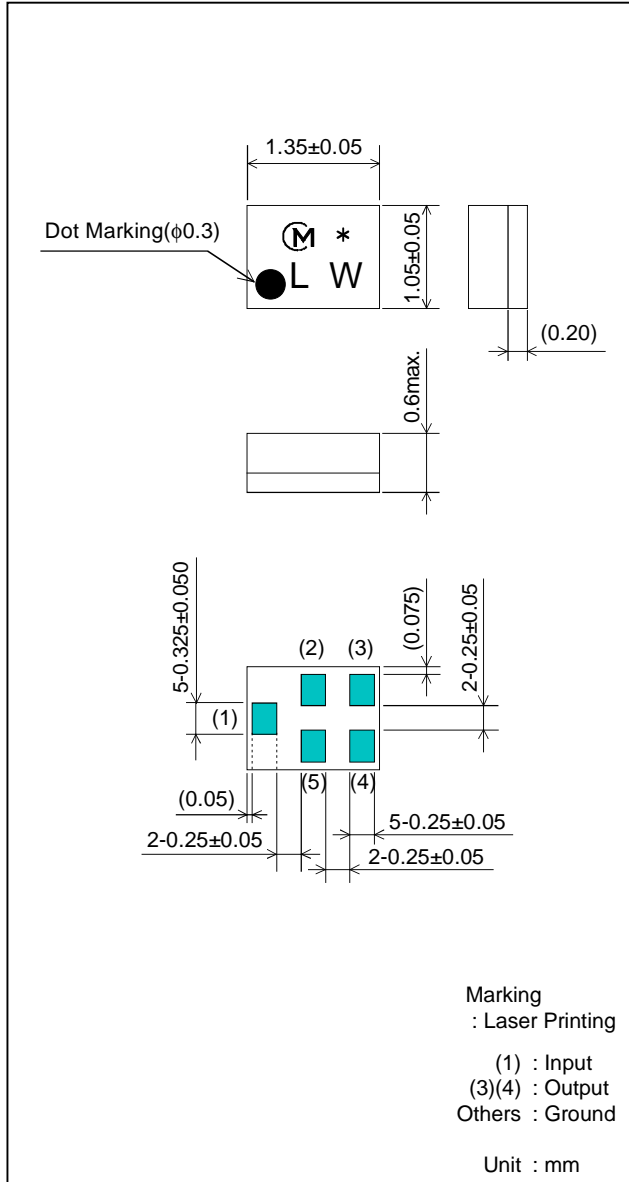


SAW FILTER FOR US-PCS/UMTS BC2 Rx

Murata part number : SAFEB1G96FN0F00

■ Package Dimensions



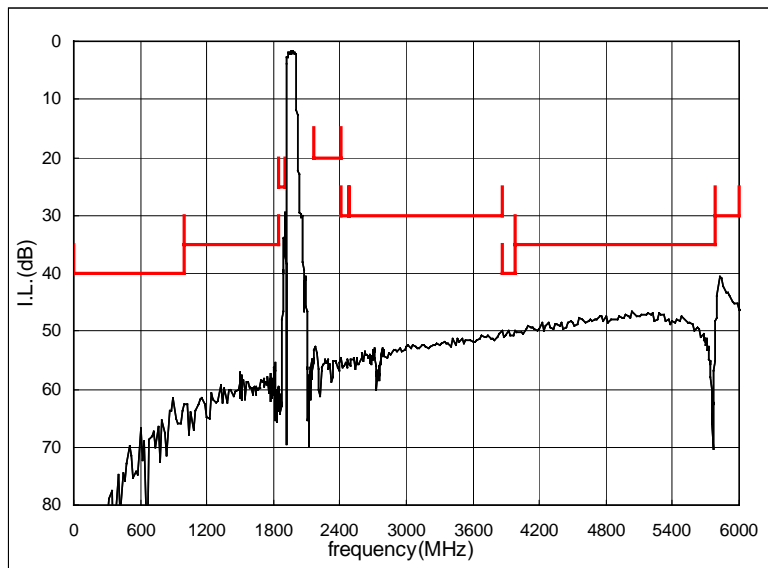
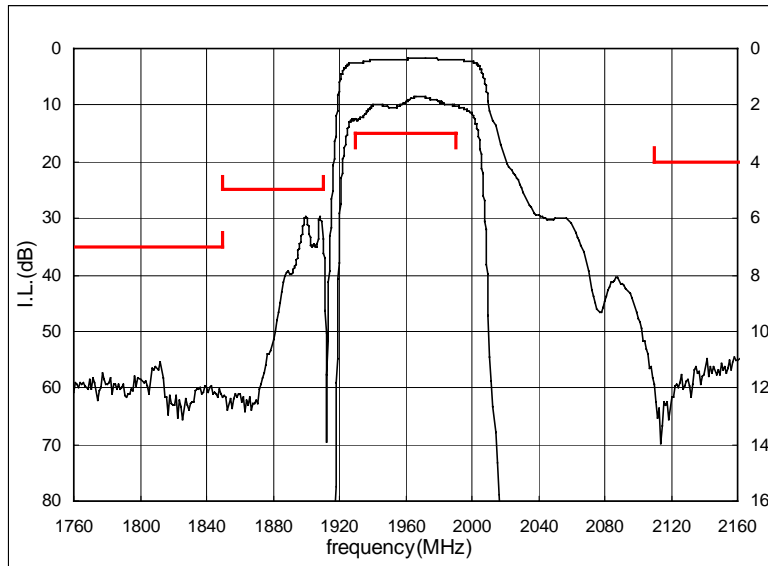
■ Specification

Item	Specification		
	-30 to 85°C	25 ± 2 °C	typ.
Nominal Center Frequency(f_c)	1960MHz		
Insertion Loss (1930 to 1990MHz)	3.0 dB max.	2.8 dB max.	2.4 dB
Absolute Attenuation			
1) 0.1 to 1000 MHz	40 dB min.	40 dB min.	62 dB
2) 1000 to 1850 MHz	35 dB min.	35 dB min.	52 dB
3) 1850 to 1910 MHz	25 dB min.	25 dB min.	29 dB
4) 2110 to 2170 MHz	20 dB min.	20 dB min.	52 dB
5) 2170 to 2402 MHz	20 dB min.	20 dB min.	51 dB
6) 2402 to 2480 MHz	30 dB min.	30 dB min.	51 dB
7) 2480 to 3860 MHz	30 dB min.	30 dB min.	47 dB
8) 3860 to 3980 MHz	40 dB min.	40 dB min.	46 dB
9) 3980 to 5790 MHz	35 dB min.	35 dB min.	43 dB
10) 5790 to 6000 MHz	30 dB min.	30 dB min.	40 dB
11) 6000 to 12750 MHz	15 dB min.	15 dB min.	24 dB
Ripple Deviation (1930 to 1990MHz)	1.8dB max.	1.7dB max.	0.7 dB
Ripple Deviation any 5MHz (1930 to 1990MHz)	1.3dB max.	0.5dB max.	0.3 dB
VSWR (1930 to 1990MHz)	1.8 max.	1.7 max.	1.5
Amplitude Balance (1930 to 1990MHz)	± 1.2 dB max.	± 1.0 dB max.	+0.5dB
Phase Balance (1930 to 1990MHz)	180 ± 10 deg. max.	180 ± 8 deg. max.	180+2.8deg.
Input Impedance (nominal)	50 Ω		
Output Impedance (nominal)	200 Ω //33nH		
Input Signal Level	20mW (+13dBm), 2000 hours		

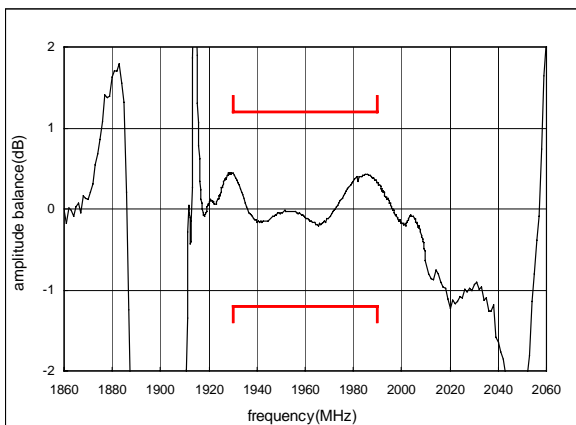
SAW FILTER FOR US-PCS/UMTS BC2 Rx

Murata part number : SAFEB1G96FN0F00

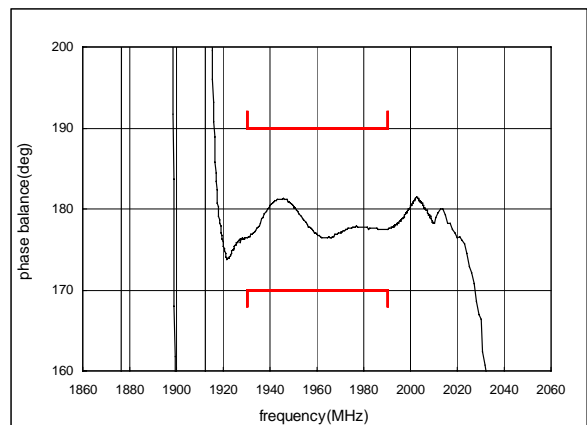
■ Frequency Performance



Amplitude balance



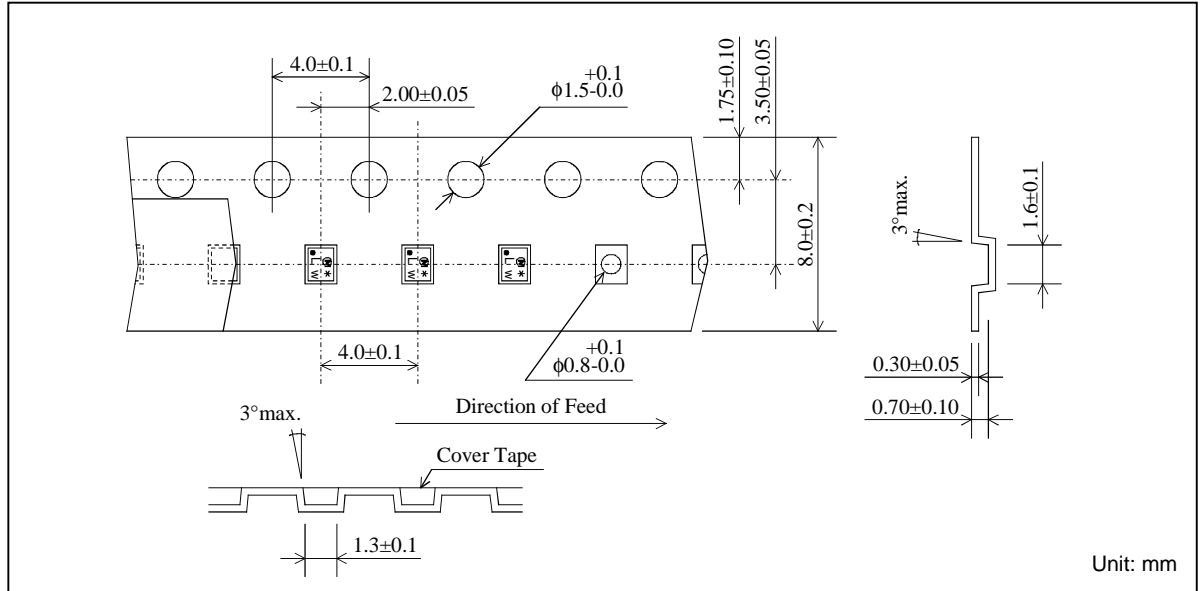
Phase balance



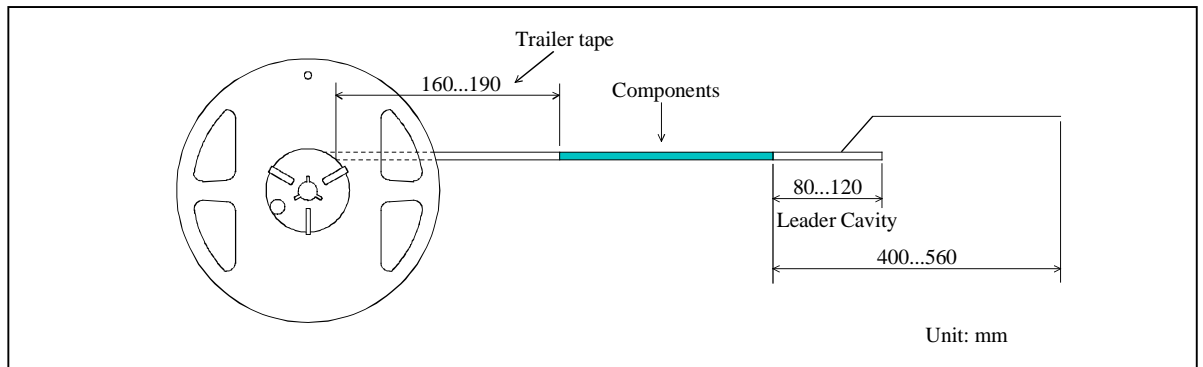
SAW FILTER FOR US-PCS/UMTS BC2 Rx

Murata part number : SAFEB1G96FN0F00

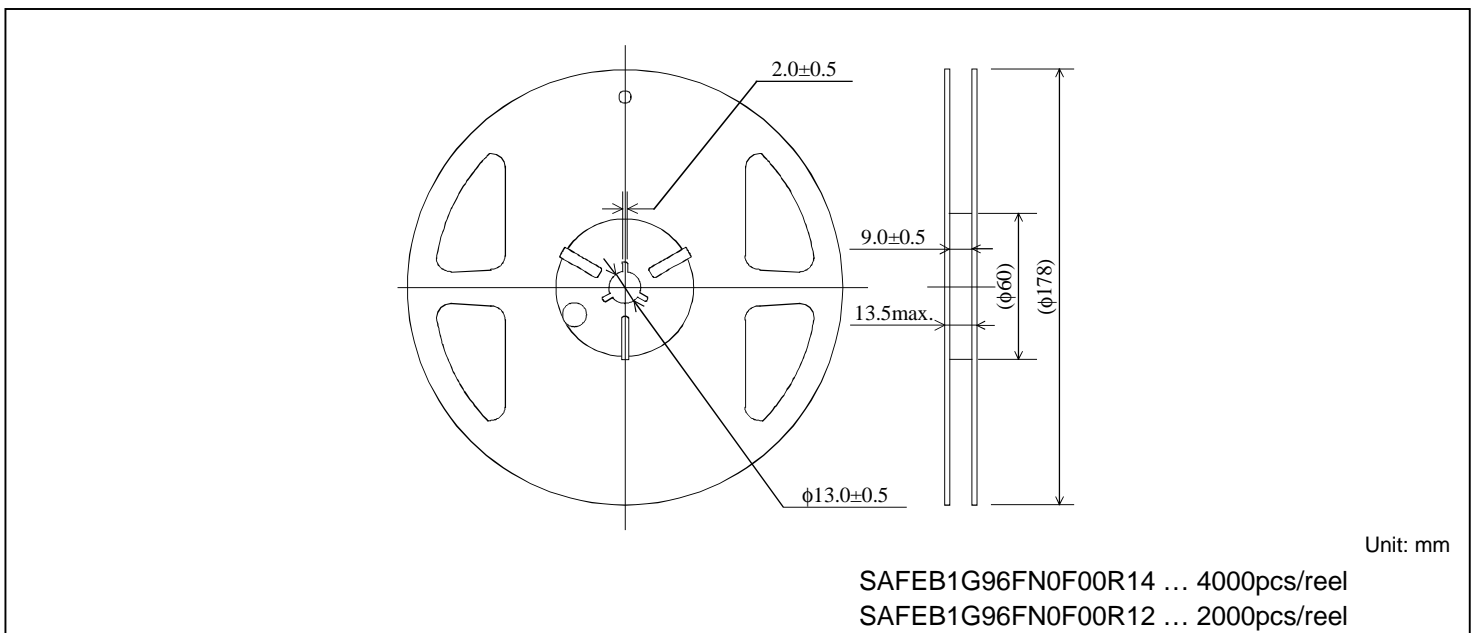
■ Dimensions of Carrier Tape



■ Dimensions of Tape



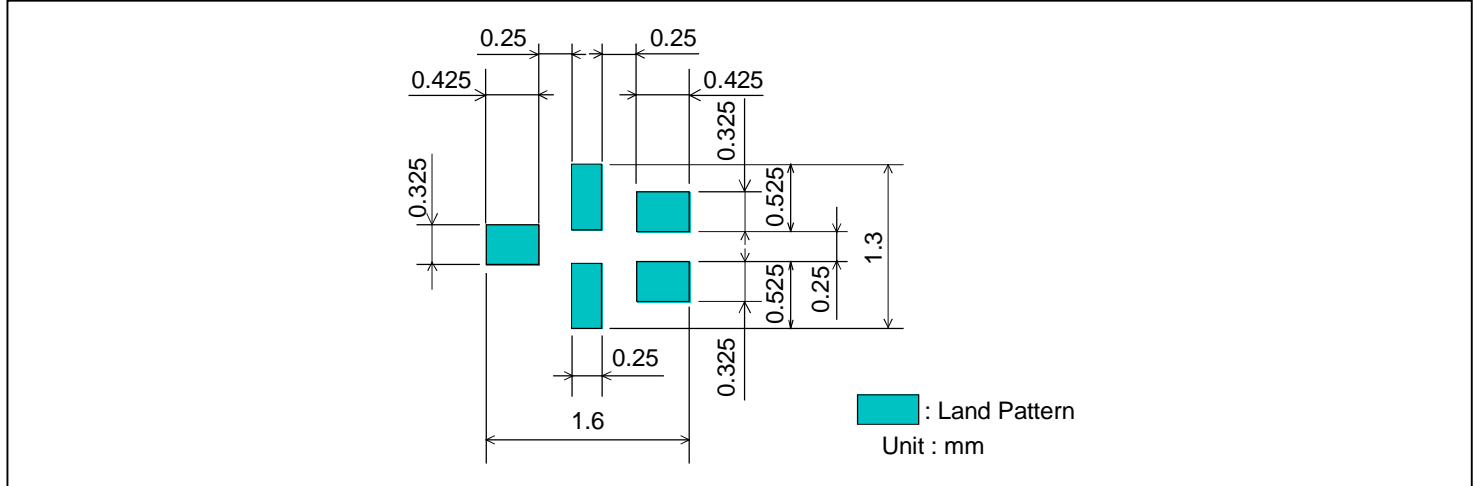
■ Dimensions of Reel



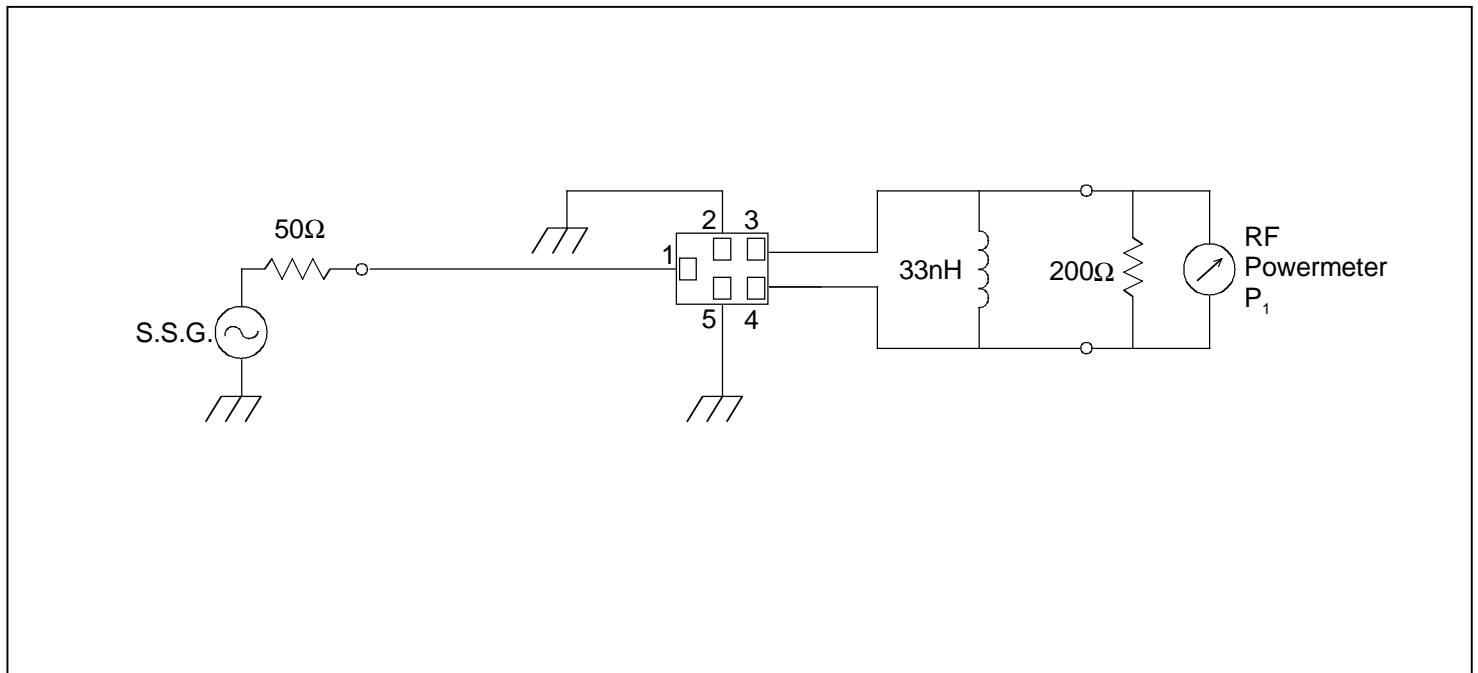
SAW FILTER FOR US-PCS/UMTS BC2 Rx

Murata part number : SAFEB1G96FN0F00

■ Recommended Land Pattern



■ Test Circuit



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