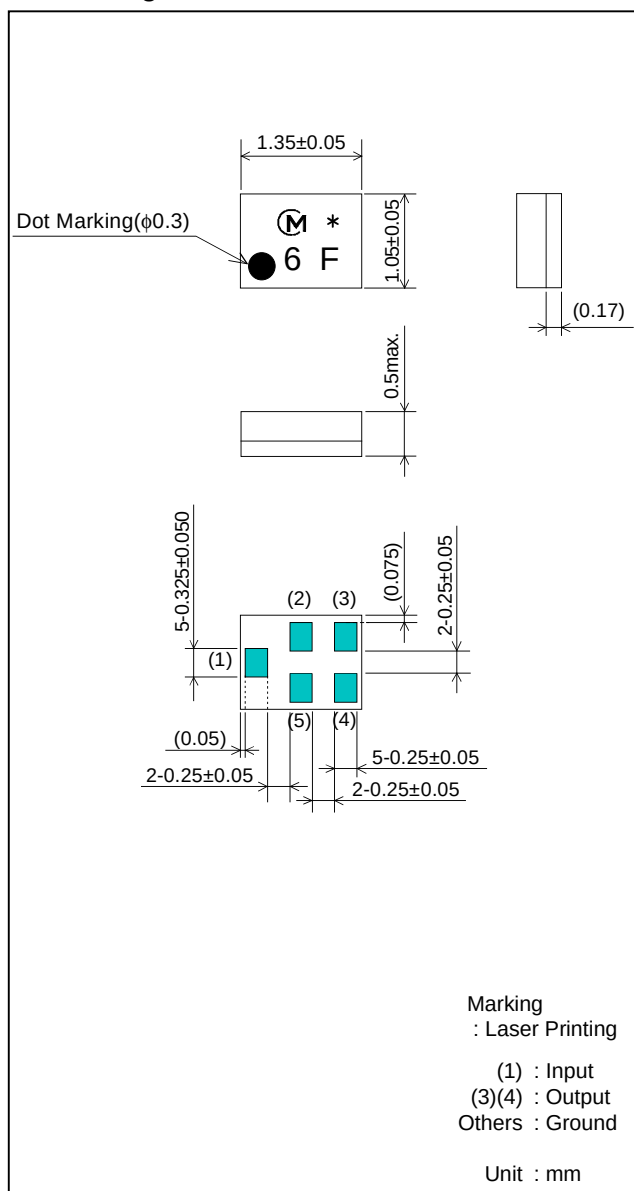


SAW FILTER FOR UMTS BC9 Rx

Murata part number : SAFEA1G86FL0F00

Package Dimensions



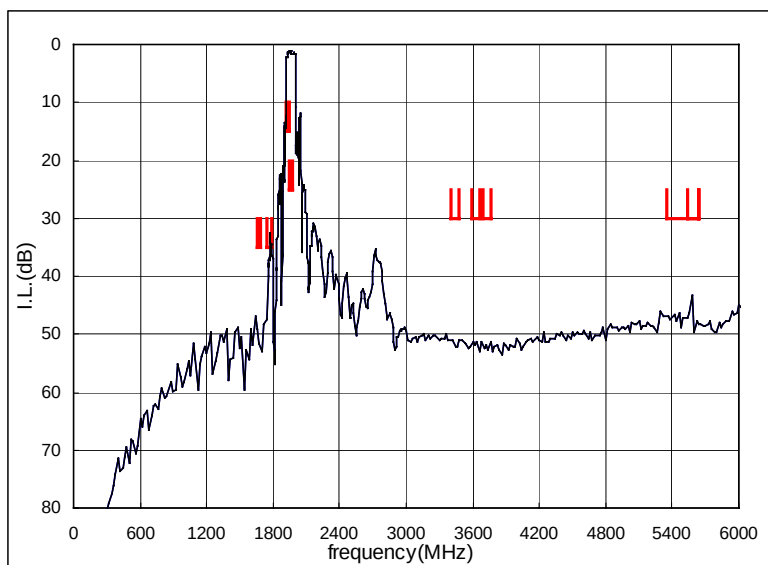
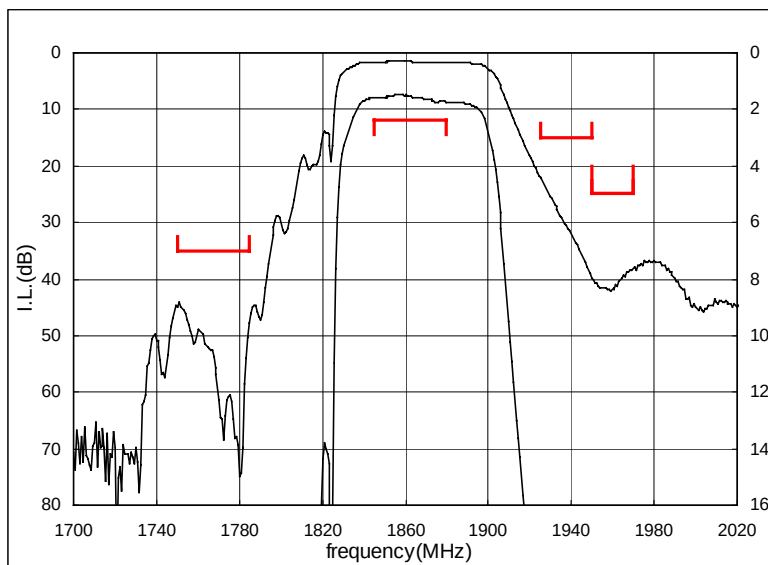
Specification

Item	Specification		
	-30 to 85°C	25 $\pm$ 2°C	typ.
Nominal Center Frequency(f_c)	1862.45MHz		
Insertion Loss (1844.9 to 1880.5MHz)	2.4 dB max.	2.2 dB max.	2.0 dB
Absolute Attenuation			
1) at 95MHz	60 dB min.	60 dB min.	88 dB
2) 1654.9 to 1690 MHz	35 dB min.	35 dB min.	55 dB
3) 1749.9 to 1785 MHz	35 dB min.	35 dB min.	46 dB
4) 1925 to 1950 MHz	15 dB min.	15 dB min.	24 dB
5) 1950 to 1970 MHz	25 dB min.	25 dB min.	39 dB
6) 3404 to 3475 MHz	30 dB min.	30 dB min.	46 dB
7) 3594 to 3665 MHz	30 dB min.	30 dB min.	46 dB
8) 3689 to 3760 MHz	30 dB min.	30 dB min.	46 dB
9) 5344 to 5450 MHz	30 dB min.	30 dB min.	42 dB
10) 5534 to 5640 MHz	30 dB min.	30 dB min.	41 dB
11) 7094 to 7235 MHz	30 dB min.	30 dB min.	44 dB
12) 7379 to 7520 MHz	30 dB min.	30 dB min.	45 dB
Ripple Deviation (1844.9 to 1880.5MHz)	0.8dB max.	0.8dB max.	0.4 dB
VSWR (1844.9 to 1880.5MHz)	1.8 max.	1.8 max.	1.5
Amplitude Balance (1844.9 to 1880.5MHz)	± 1.0 dB max.	± 1.0 dB max.	+0.4dB
Phase Balance (1844.9 to 1880.5MHz)	180 ± 10 deg. max.	180 ± 10 deg. max.	180+4deg.
Input Impedance (nominal)	50 Ω		
Output Impedance (nominal)	200 Ω //33nH		
Input Signal Level	20mW (+13dBm), 2000 hours		

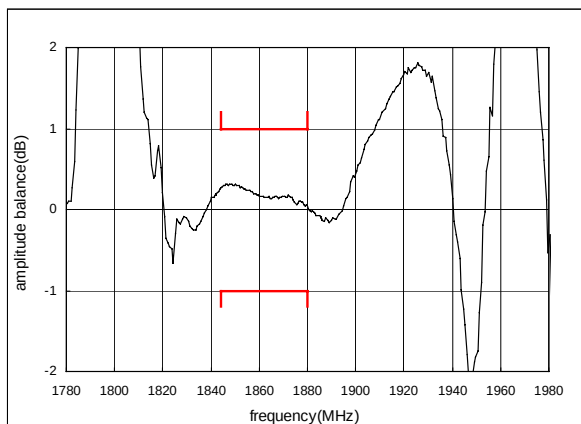
SAW FILTER FOR UMTS BC9 Rx

Murata part number : SAFEA1G86FL0F00

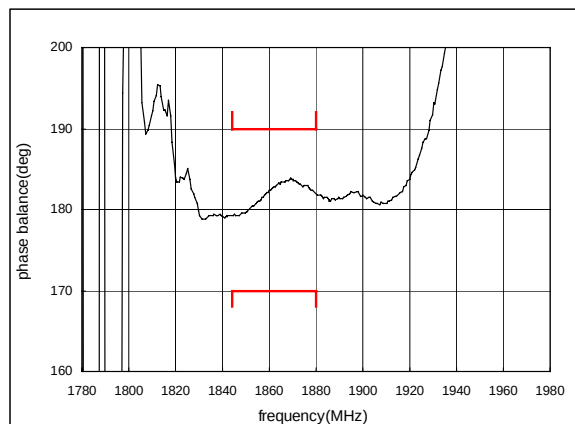
Frequency Performance



Amplitude balance



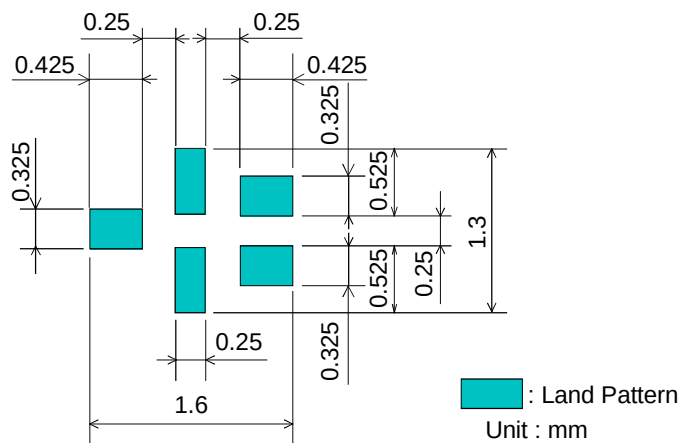
Phase balance



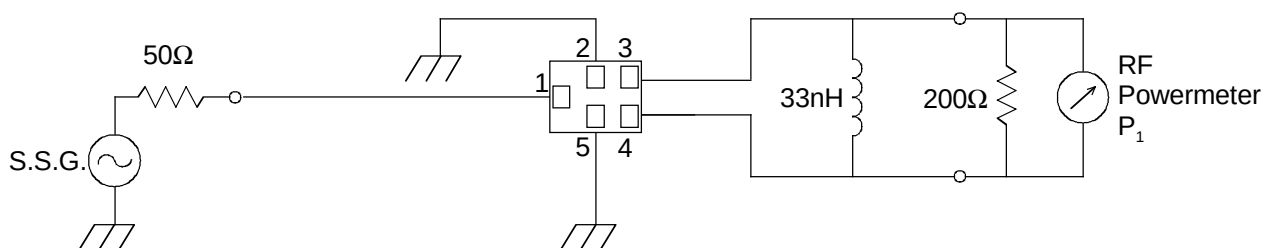
SAW FILTER FOR UMTS BC9 Rx

Murata part number : SAFEA1G86FL0F00

Recommended Land Pattern



Test Circuit



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