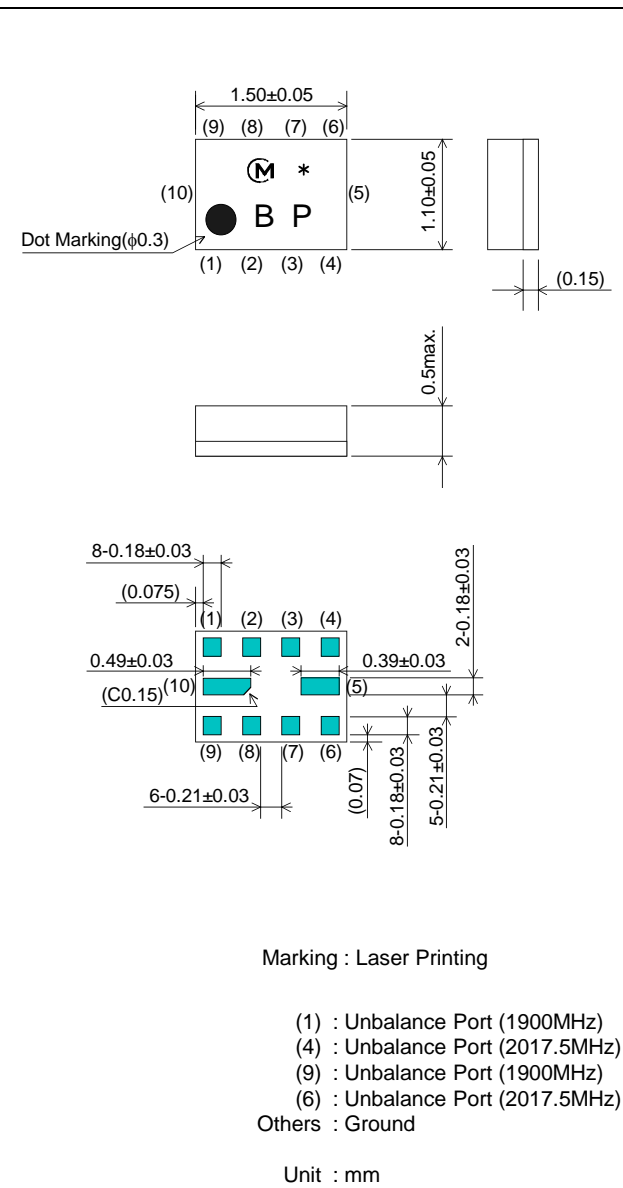


SAW FILTER FOR TD-SCDMA

Murata part number :SAWFD1G90LA0F00($f_c=1900\text{MHz}$)

Package Dimensions



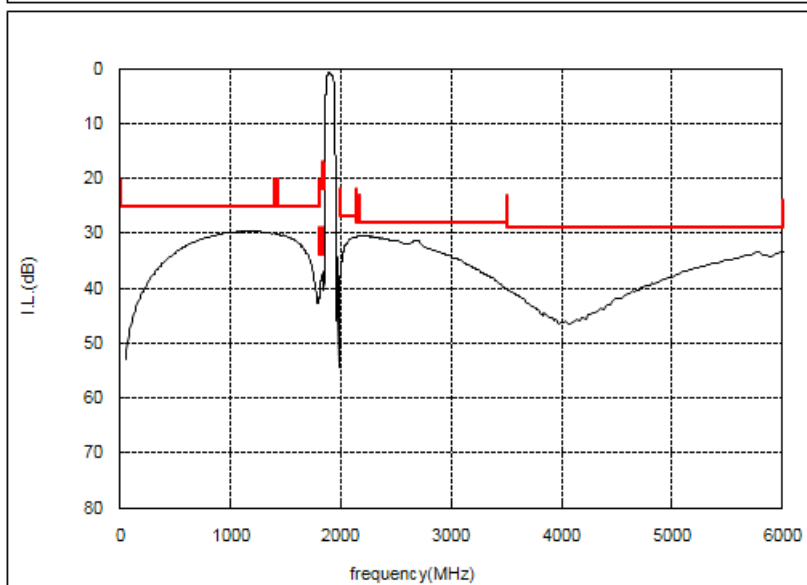
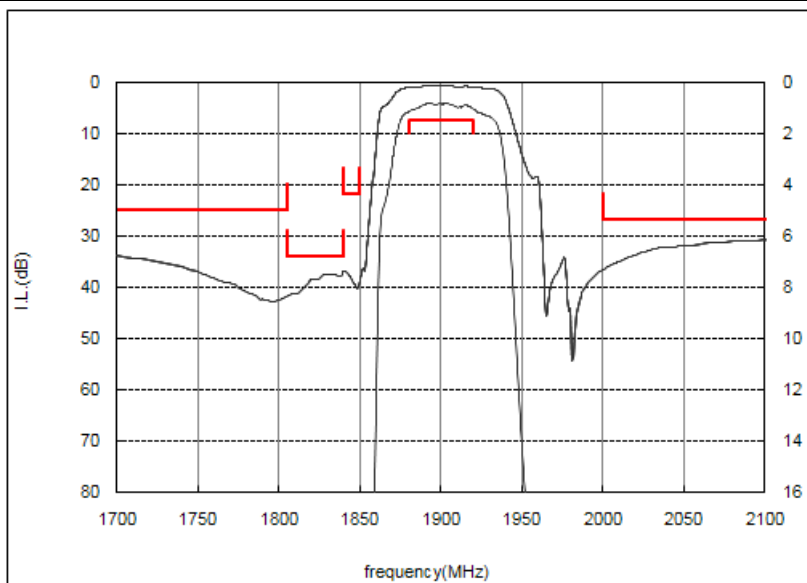
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(f_c)	1900MHz		
Insertion Loss (1880 to 1920MHz)	1.5 dB max.	1.3 dB max.	1.2 dB
Absolute Attenuation			
1) 0.1 to 1395 MHz	25 dB min.	25 dB min.	29 dB
2) 1395 to 1435 MHz	25 dB min.	25 dB min.	29 dB
3) 1435 to 1805 MHz	25 dB min.	25 dB min.	29 dB
4) 1805 to 1840 MHz	34 dB min.	34 dB min.	39 dB
5) 1840 to 1850 MHz	22 dB min.	34 dB min.	38 dB
6) 2000 to 2135 MHz	27 dB min.	27 dB min.	31 dB
7) 2135 to 2175 MHz	28 dB min.	28 dB min.	31 dB
8) 2175 to 3500 MHz	28 dB min.	28 dB min.	31 dB
9) 3500 to 6000 MHz	29 dB min.	29 dB min.	33 dB
Ripple Deviation (1880 to 1920MHz)	0.8 dB max.	0.5 dB max.	0.3 dB
VSWR (1880 to 1920MHz)	1.7 max.	1.5 max.	1.2
Unbalance Port Matching Impedance (nominal)	50Ω		
Input Signal Level	20mW (+13dBm), 2000 hours		

SAW FILTER FOR TD-SCDMA

Murata part number :SAWFD1G90LA0F00 (fc=1900MHz)

Frequency Performance

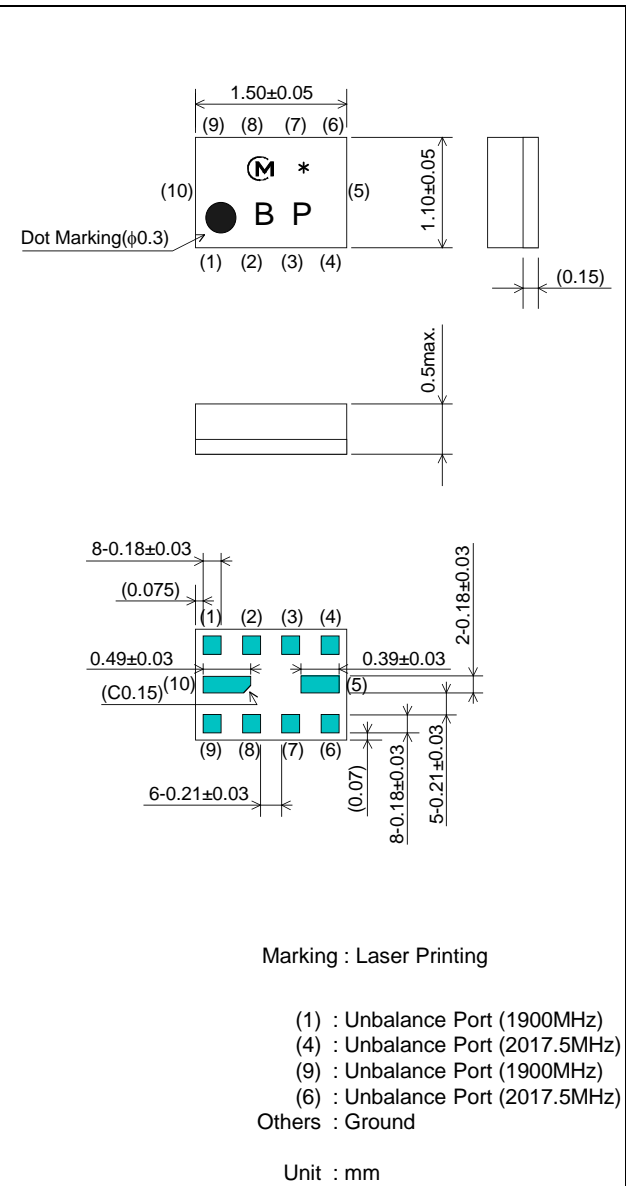


SAW FILTER FOR TD-SCDMA

Murata part number :SAWFD1G90LA0F00 (fc=2017.5MHz)

Package Dimensions

Target Specification

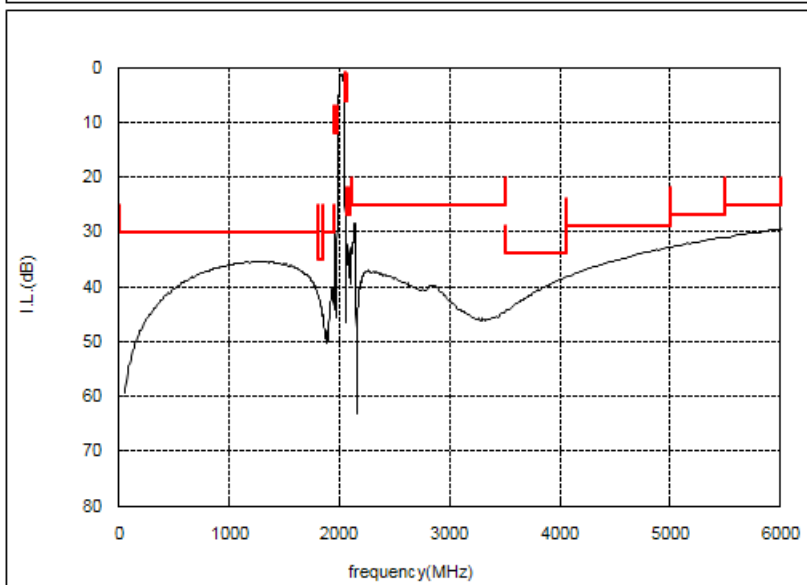
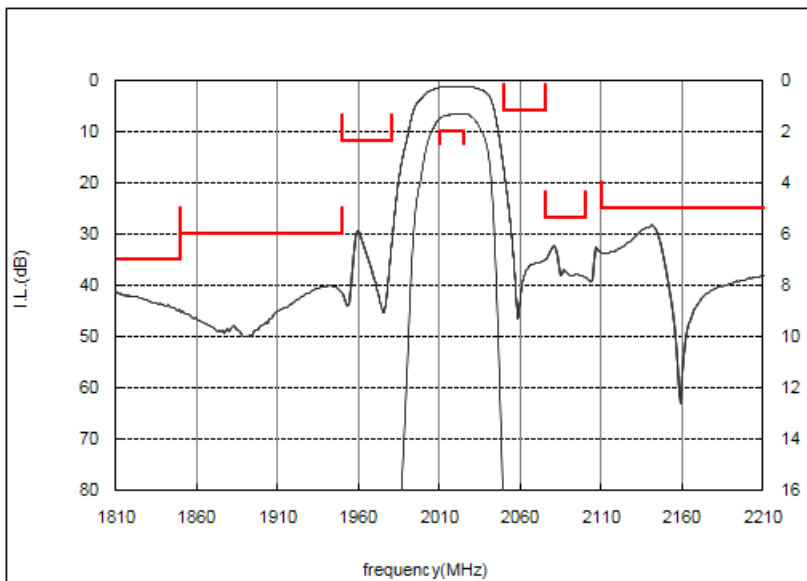


Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	2017.5 MHz		
Insertion Loss (2010 to 2025MHz)	2.0 dB max.	1.8 dB max.	1.4 dB
Absolute Attenuation			
1) 0.1 to 1805 MHz	30 dB min.	30 dB min.	35 dB
2) 1805 to 1850 MHz	35 dB min.	35 dB min.	41 dB
3) 1850 to 1950 MHz	30 dB min.	35 dB min.	40 dB
4) 1950 to 1980 MHz	12 dB min.	17 dB min.	23 dB
5) 2050 to 2075 MHz	6 dB min.	12 dB min.	23 dB
6) 2075 to 2100 MHz	27 dB min.	27 dB min.	32 dB
7) 2110 to 3500 MHz	25 dB min.	25 dB min.	29 dB
8) 3500 to 4060 MHz	34 dB min.	34 dB min.	38 dB
9) 4060 to 5000 MHz	29 dB min.	29 dB min.	32 dB
10) 5000 to 5500 MHz	27 dB min.	27 dB min.	31 dB
11) 5500 to 6000 MHz	25 dB min.	25 dB min.	30 dB
Ripple Deviation (2010 to 2025MHz)	0.8 dB max.	0.5 dB max.	0.1 dB
VSWR (2010 to 2025MHz)	1.7 max.	1.6 max.	1.2
Unbalance Port Matching Impedance (nominal)	50Ω		
Input Signal Level	20mW (+13dBm), 2000 hours		

SAW FILTER FOR TD-SCDMA

Murata part number :SAWFD1G90LA0F00 (fc=2017.5MHz)

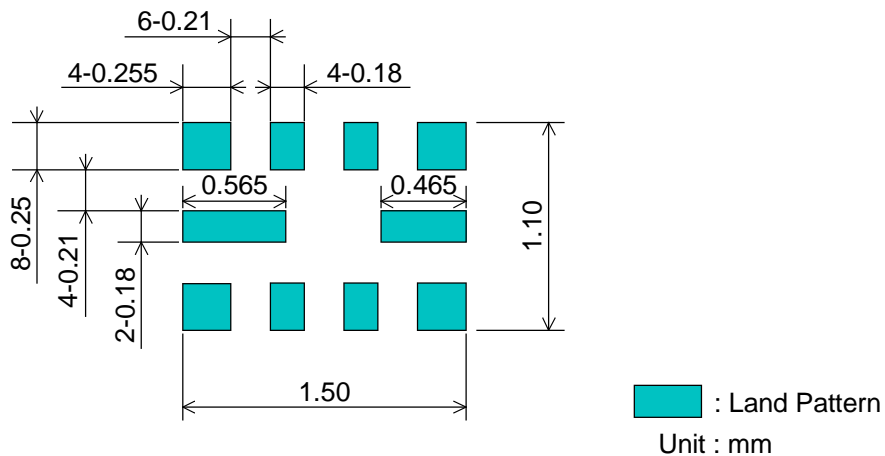
Frequency Performance



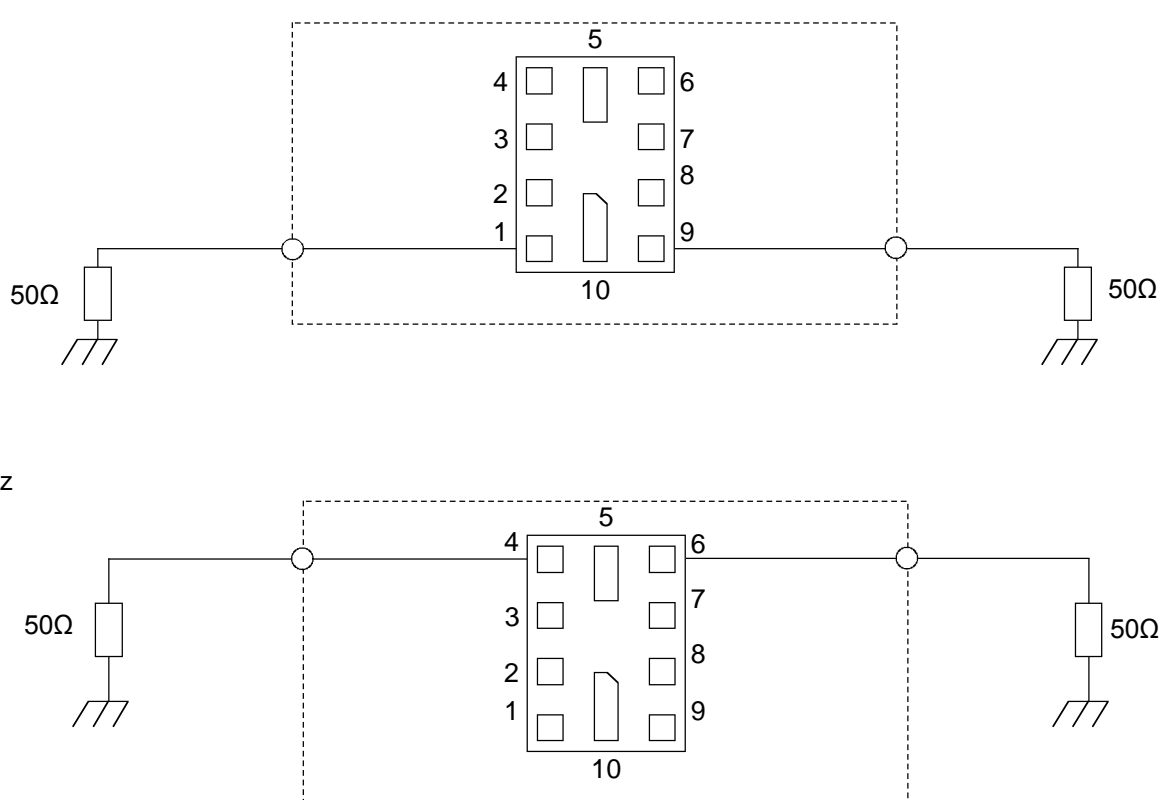
SAW FILTER FOR TD-SCDMA

Murata part number :SAWFD1G90LA0F00

Recommended Land Pattern



Test Circuit



SAW FILTER FOR TD-SCDMA

Murata part number :SAWFD1G90LA0F00

■ 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

Please contact us before using our products for the applications listed below which require especially for the prevention of defects which might directly cause damage to the third party's life, body or property.

- a. Aircraft equipment
- b. Aerospace equipment
- c. Undersea equipment
- d. Nuclear control equipment
- e. Medical equipment
- f. Transportation equipment (vehicles, trains, ships, etc.)
- g. Traffic signal equipment
- h. Disaster prevention / crime prevention equipment
- i. Data - processing equipment
- j. Application of similar complexity and / or reliability requirements to the applications listed in the above

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- This PDF Datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.