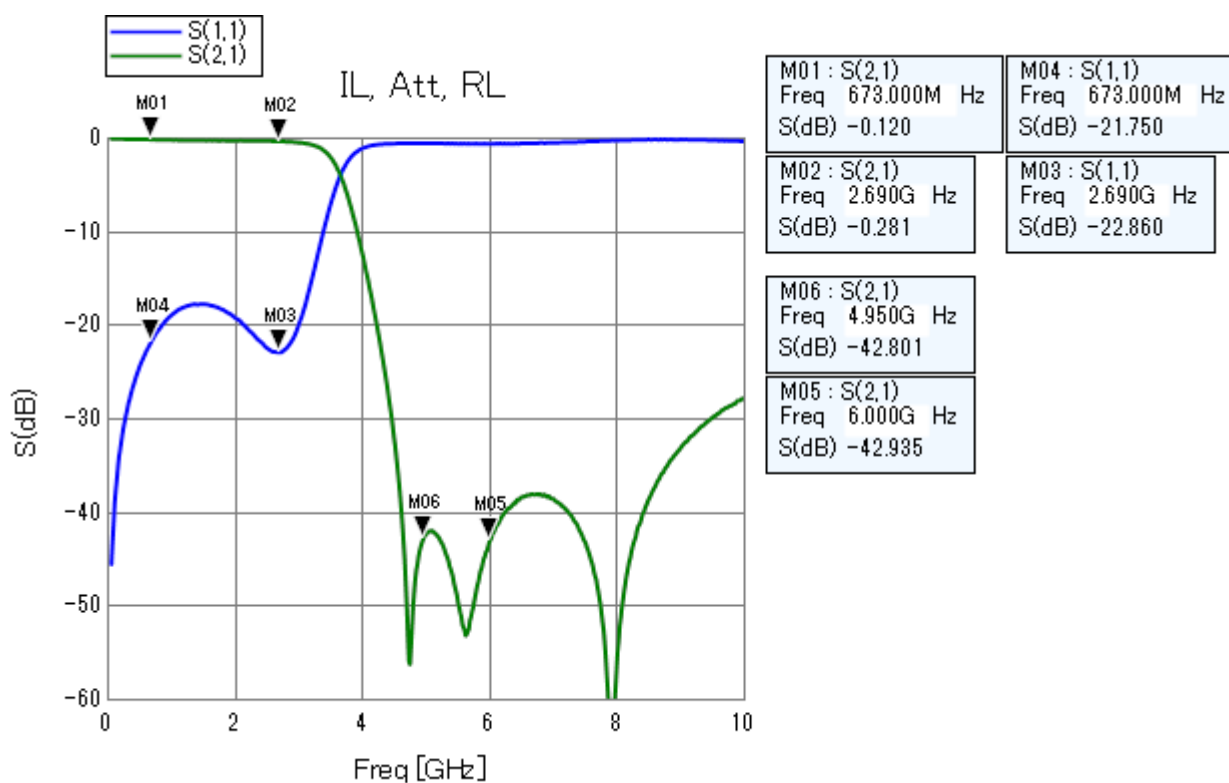


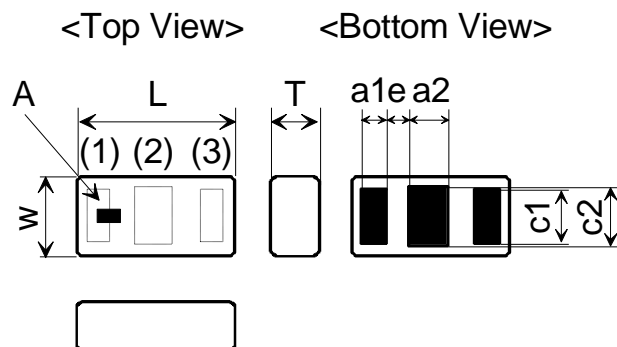
## LOW PASS FILTER

### 1. Characteristics (at -40 ~ +85 °C)

Part Number		LFL182G04TF5E005
Nominal Characteristics Impedance		50 $\Omega$ (Nominal)
Pass Band Range (BW)		673.00 ~ 2690.00 MHz
Insertion Loss in BW		0.45 dB max. at 25 °C 0.50 dB max. at -40 ~ +85 °C
Attenuation (Absolute value)	4950.00 ~ 6000.00 MHz	37.0 dB min
	6000.00 ~ 7500.00 MHz	32.0 dB min
	7500.00 ~ 8100.00 MHz	35.0 dB min
	8100.00 ~ 10500.00 MHz	21.0 dB min
	10500.00 ~ 12500.00 MHz	15.0 dB min
V.S.W.R in BW		1.8 max
Power Capacity		3 W max.



## 2. Construction, Dimensions & Marking



Mark	Meaning
A	Directional Input Mark

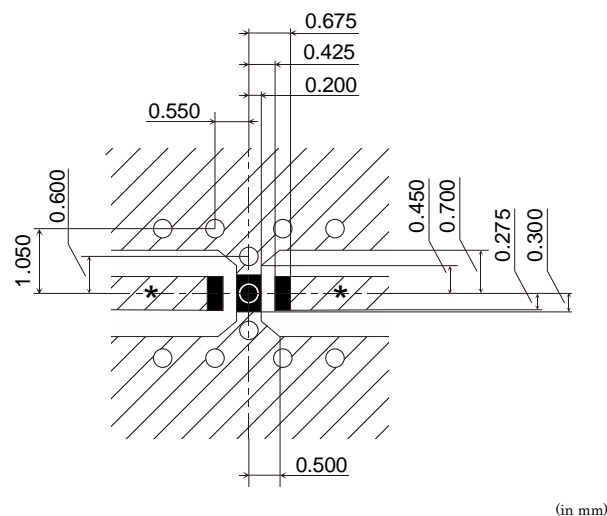
(in mm)

Mark	Dimension	Mark	Dimension
L	1.6±0.1	a2	0.40±0.10
W	0.8±0.1	c1	0.55±0.10
T	0.65 max.	c2	0.60±0.10
a1	0.25±0.10	e	0.23±0.05

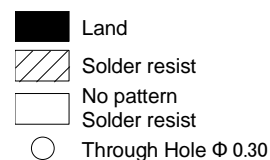
### TERMINAL CONFIGURATION

Terminal No.	Terminal Name	Terminal No.	Terminal Name
(1)	IN	(3)	OUT
(2)	GND	-	-

## 3. Land Pattern



(in mm)

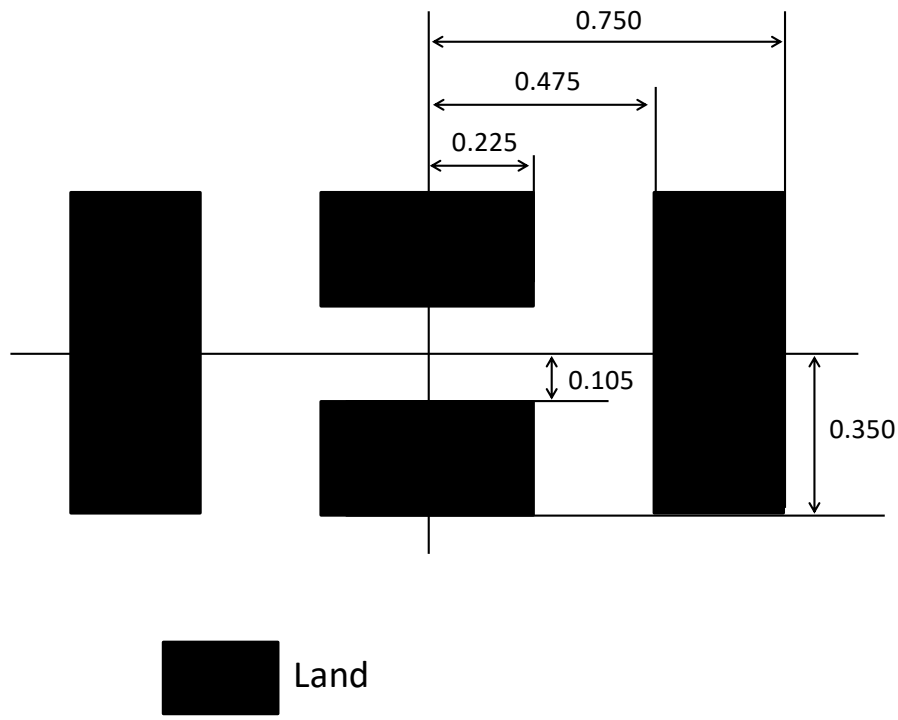


\* Line width to be designed to match 50 ohm characteristic impedance, Depending on PCB material and thickness.

## Reference

Murata recommends Land pattern and Stencil in case divided GND pad shape is preferred.

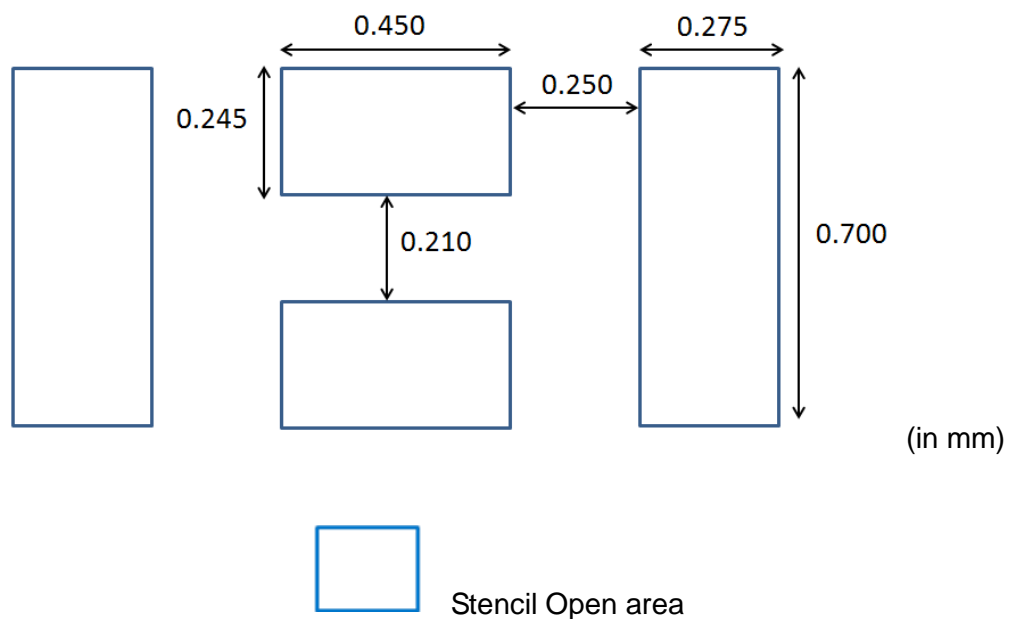
### <Land Pattern>



### <Stencil condition>

Opening Area is 100% to PCB land

Stencil Mask Thickness is 100um



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- Medical equipment.
- Traffic signal equipment.
- Burning / explosion control equipment
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