



## **SAW Band Pass Filter**

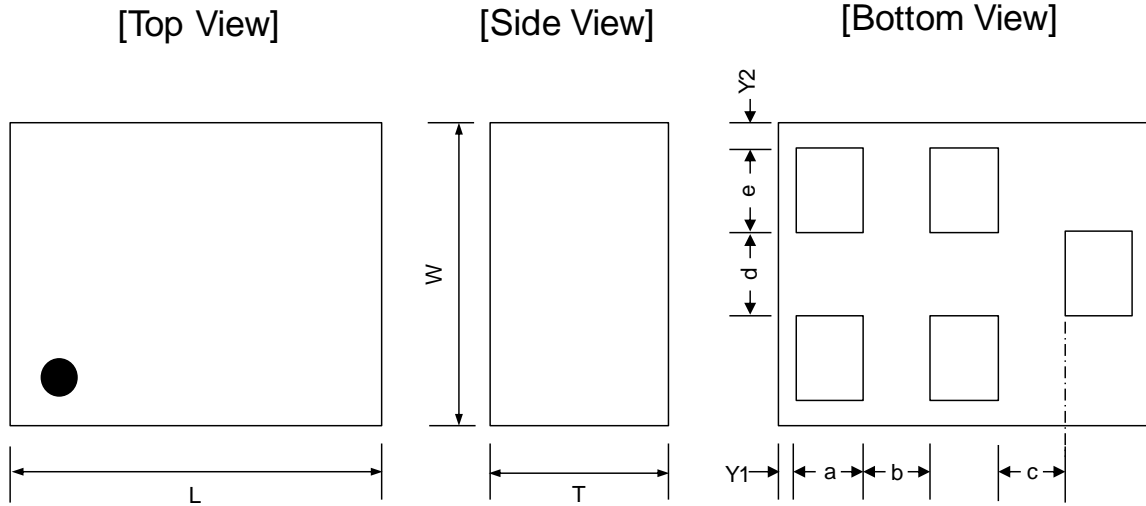
**For LTE B1 Rx**

**2110-2170MHz**

**1.1x0.9mm Size**

**SAFI1109B01BPF1101**

# [Shapes and Dimensions]

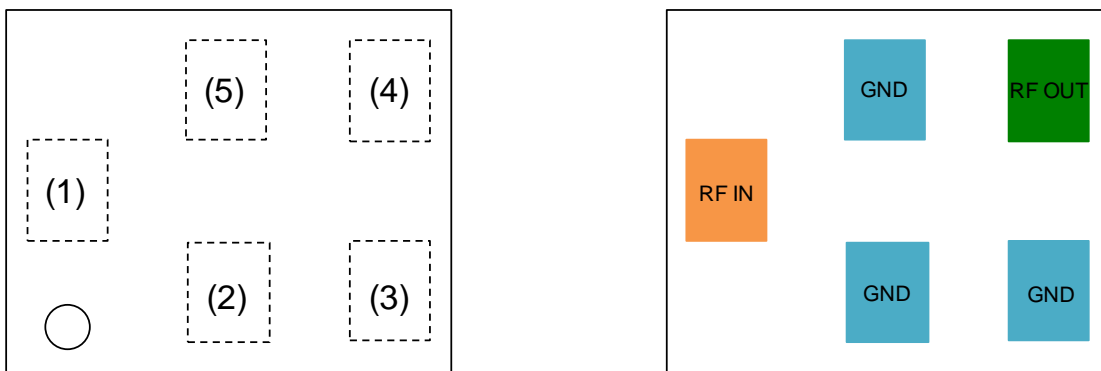


Dimensions (mm)

L	W	T	a	b	c	d	e	Y1	Y2
1.1	0.9	0.6	0.2	0.2	0.2	0.25	0.25	0.05	0.075
+/-0.10	+/-0.10	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05	+/-0.05

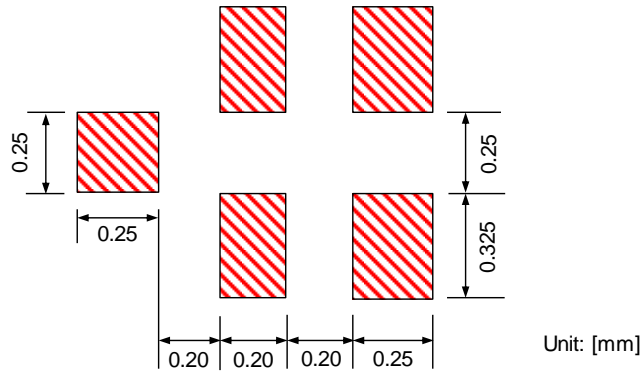
# [Terminal Functions]

[Top View]



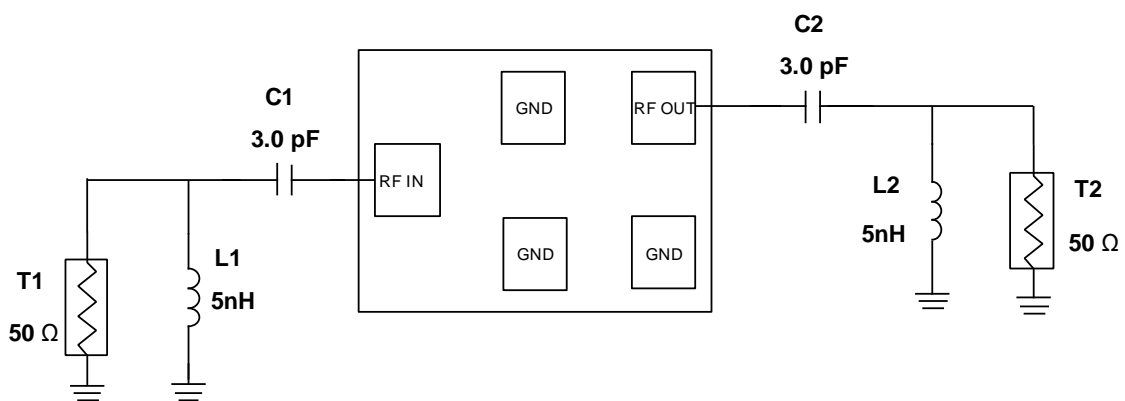
(1)	RF IN	(2)	GND	(3)	GND	(4)	RF OUT	(5)	GND
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## [Recommended Land Pattern]



## [Measurement Circuit]

### Top View

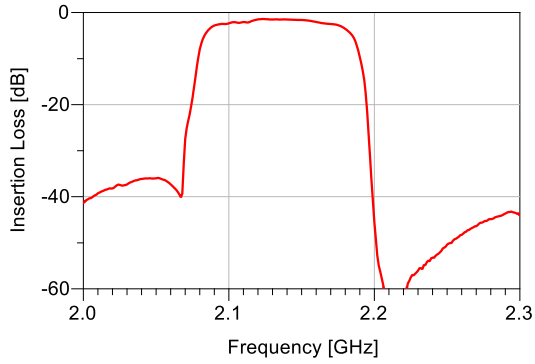


## [Electrical Characteristics] (Measurement)

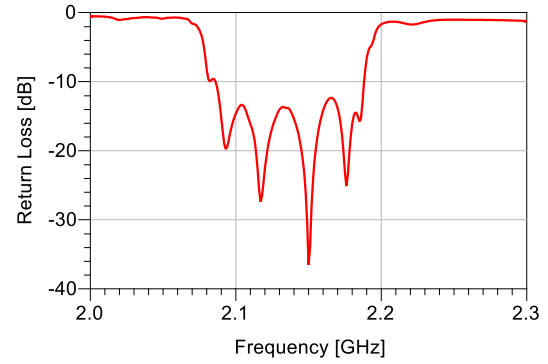
Parameter	Frequency (MHz)	Target Spec		
		Min.	Typ.	Max.
Insertion Loss (dB)	2110 to 2170	-	1.9	2.5
Return Loss (dB)	2110 to 2170	9	12	-
Ripple Deviation (dB)	2110 to 2170	-	1.0	2.7
Attenuation (dB)	50 to 1710	35	39	-
	1710 to 1755	36	40	-
	1920 to 1980	42	45	-
	4220 to 4340	30	35	-
Max Input Power (dBm)		10		
Ambient Temperature (°C)		25		
Operating Temperature Range (°C)		-35		85
Storage Temperature Range (°C)		-40		85

# [Frequency Characteristics]

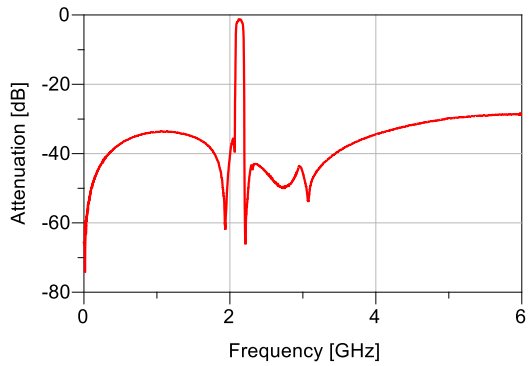
Insertion Loss



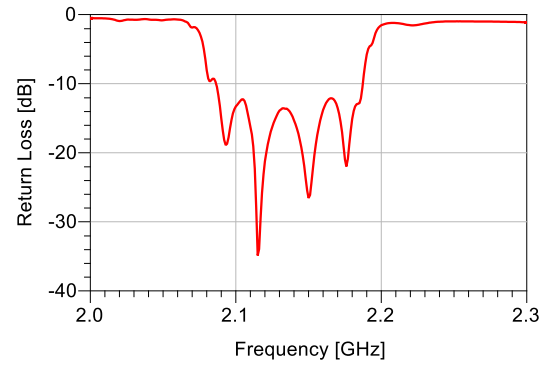
Input Return Loss



Attenuation



Output Return Loss



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