



## **SAW Band Pass Filter**

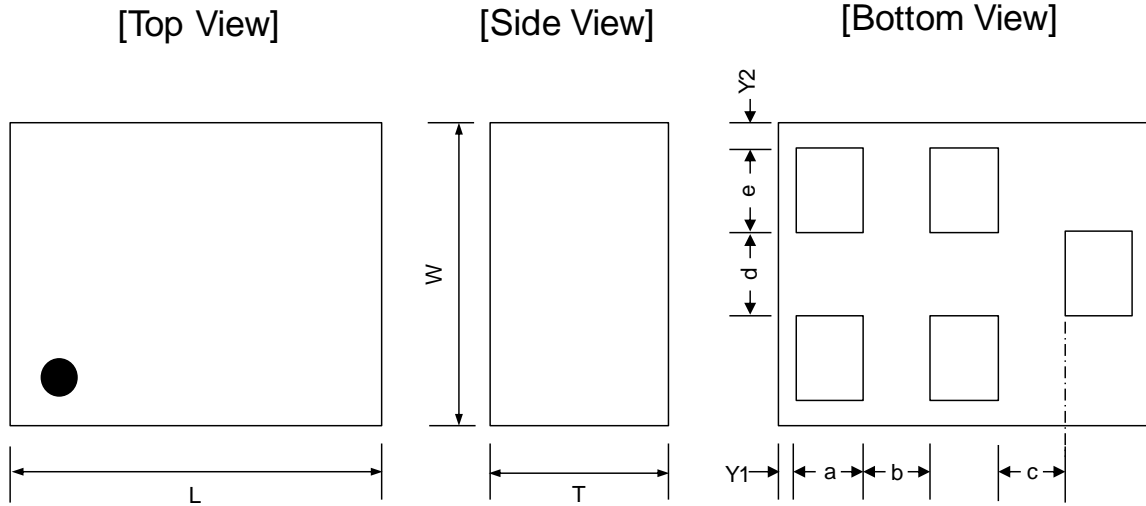
**For LTE B8 Rx**

**925-960MHz**

**1.1x0.9mm Size**

**SAFI1109B08BPF1101**

# [Shapes and Dimensions]

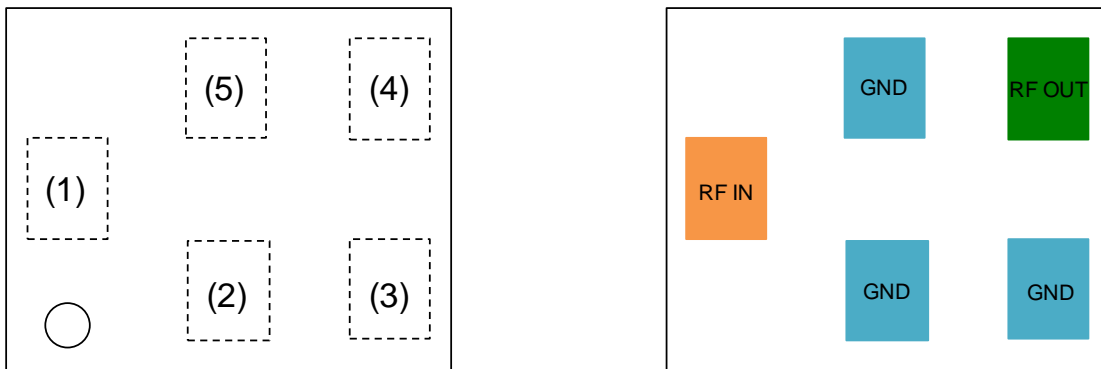


Dimensions (mm)

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

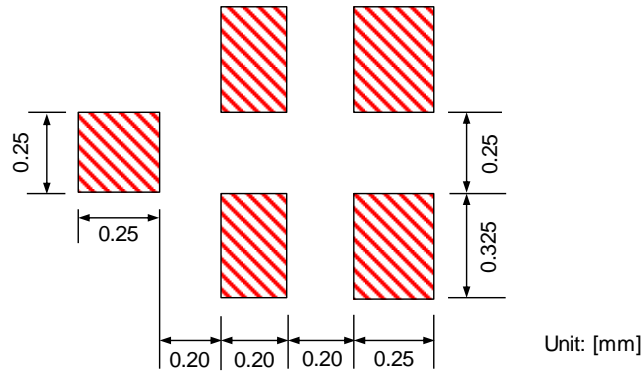
# [Terminal Functions]

[Top View]



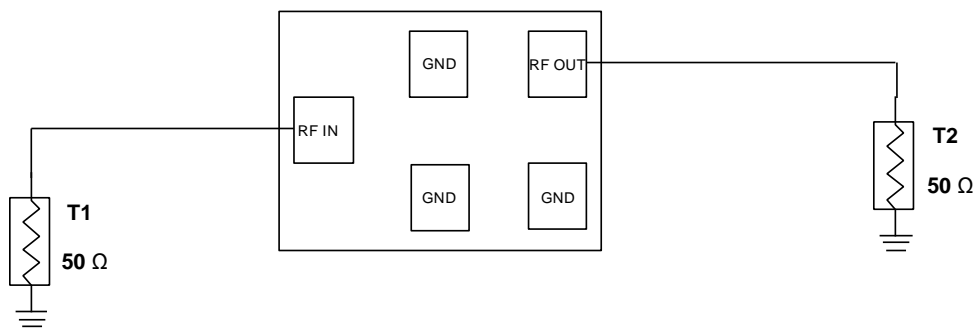
(1)	RF IN	(2)	GND	(3)	GND	(4)	RF OUT	(5)	GND
-----	-------	-----	-----	-----	-----	-----	--------	-----	-----

## [Recommended Land Pattern]



## [Measurement Circuit]

### Top View

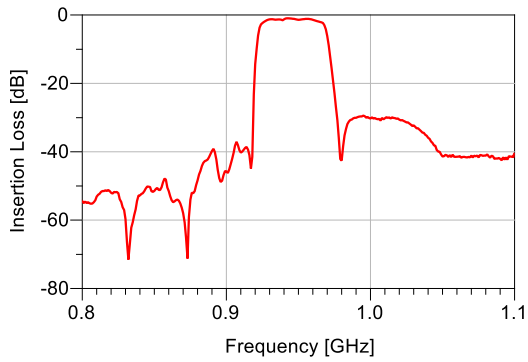


## [Electrical Characteristics] (Measurement)

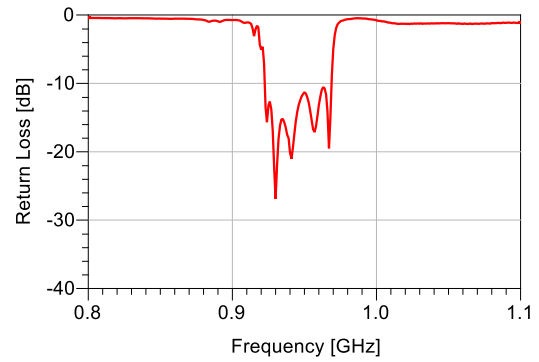
Parameter	Frequency (MHz)	Target Spec		
		Min.	Typ.	Max.
Insertion Loss (dB)	925 to 960	-	1.9	2.5
Return Loss (dB)	925 to 960	9	11	-
Ripple Deviation (dB)	925 to 960	-	1.1	1.8
Attenuation (dB)	45	40	60	-
	835 to 870	40	44	-
	880 to 915	35	40	-
	1710 to 1785	40	47	-
	1805 to 1920	40	45	-
	1920 to 1980	40	44	-
	2400 to 2483	35	39	-
	2775 to 2880	30	36	-
	3700 to 4800	25	31	-
	5150 to 5850	20	30	-
Max Input Power (dBm)		15		
Ambient Temperature (°C)		25		
Operating Temperature Range (°C)		-35	-	85
Storage Temperature Range (°C)		-40	-	85

# [Frequency Characteristics]

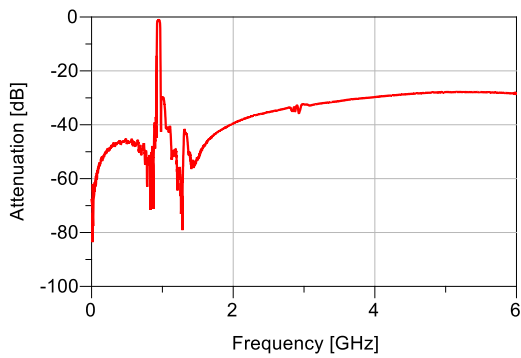
Insertion Loss



Input Return Loss



Attenuation



Output Return Loss

