



SAW Band Pass Filter

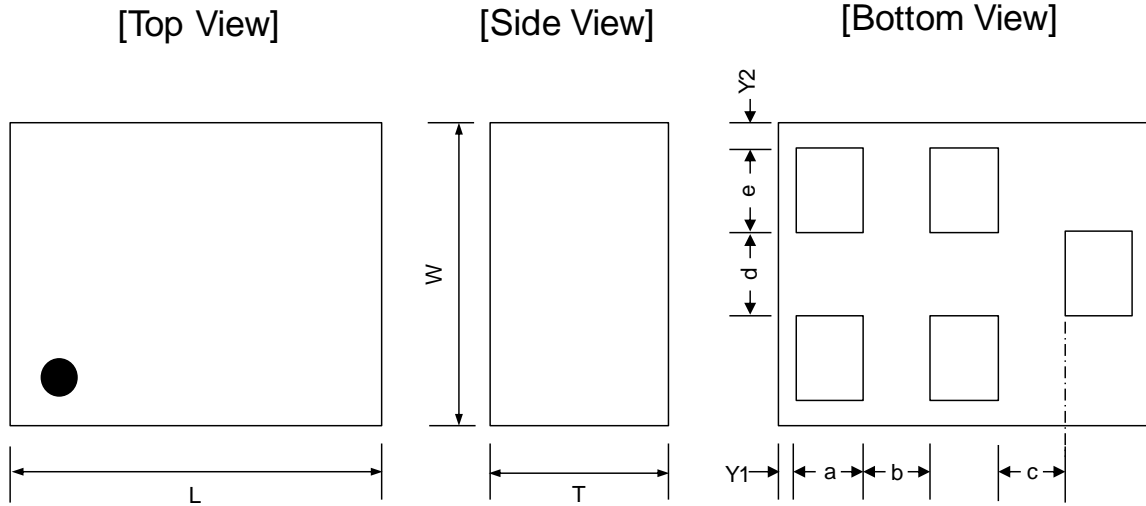
For LTE B5 Rx

869-894MHz

1.1x0.9mm Size

SAFI1109B05BPF1101

[Shapes and Dimensions]

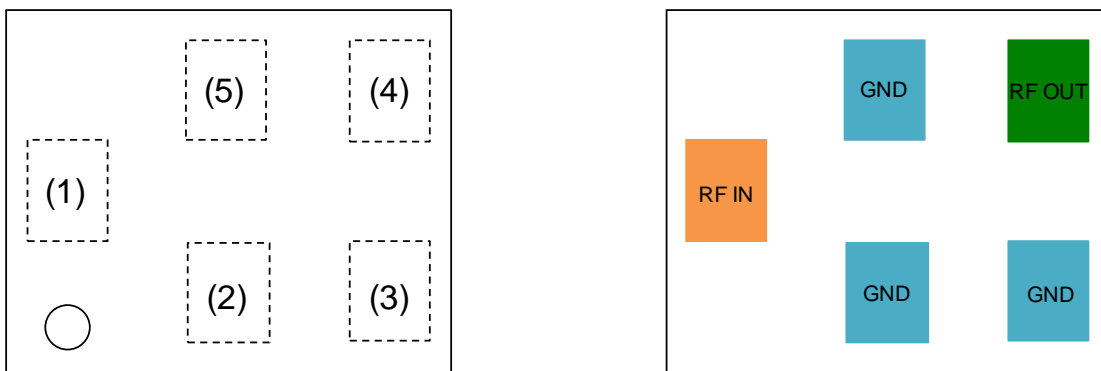


Dimensions (mm)

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

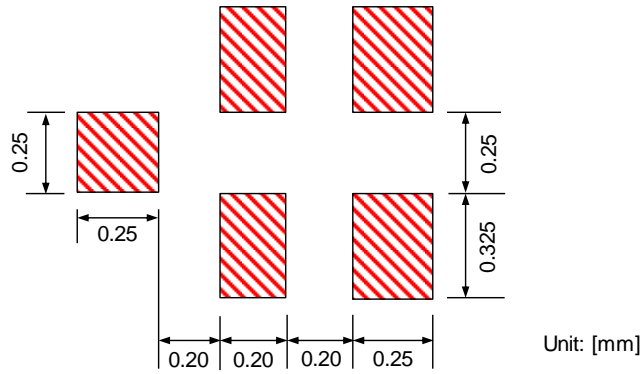
[Terminal Functions]

[Top View]



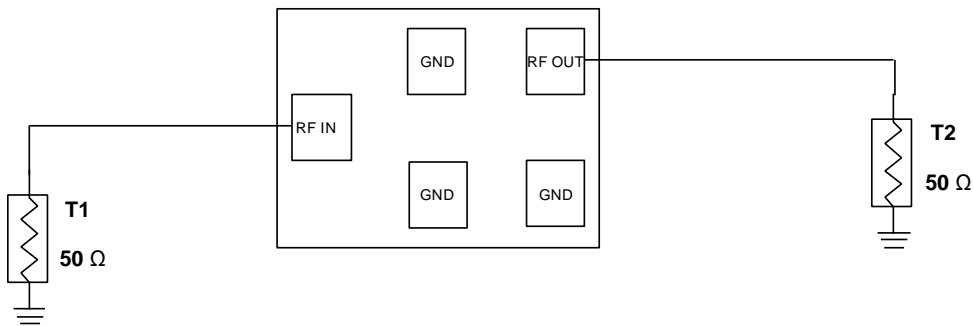
(1)	RF IN	(2)	GND	(3)	GND	(4)	RF OUT	(5)	GND
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[Recommended Land Pattern]



[Measurement Circuit]

Top View

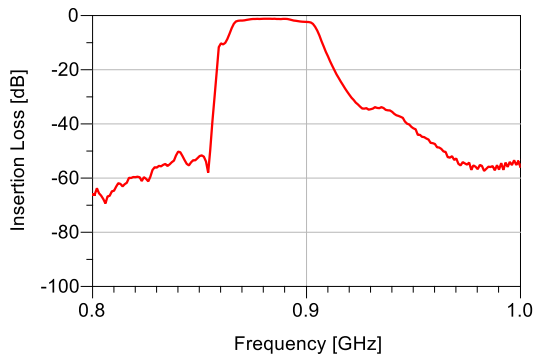


[Electrical Characteristics] (Measurement)

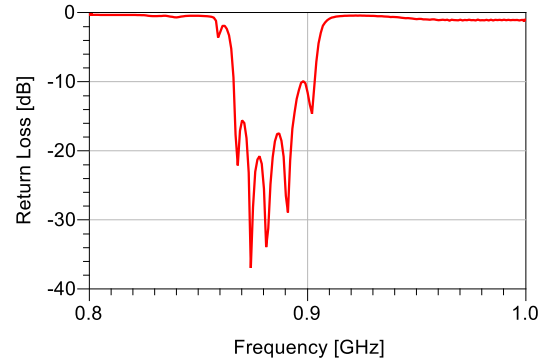
Parameter	Frequency (MHz)	Target Spec		
		Min.	Typ.	Max.
Insertion Loss (dB)	869 to 894	-	1.5	1.9
Return Loss (dB)	869 to 894	11	13	-
Ripple Deviation (dB)	869 to 894	-	0.5	1.0
Attenuation (dB)	45	50	70	-
	779 to 804	46	55	-
	824 to 849	42	50	-
	846 to 854	30	46	-
	1693 to 1743	38	45	-
	1738 to 1788	38	44	-
	2400 to 2500	35	40	-
	2517 to 2592	33	40	-
	2607 to 2682	33	39	-
	3476 to 3576	30	38	-
4345 to 4470	30	38	-	
Max Input Power (dBm)	15			
Ambient Temperature (°C)	25			
Operating Temperature Range (°C)	-30	-	85	
Storage Temperature Range (°C)	-40	-	85	

[Frequency Characteristics]

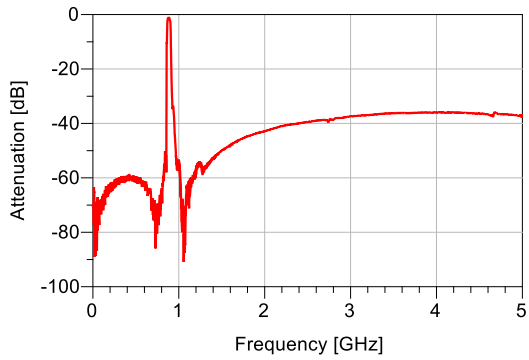
Insertion Loss



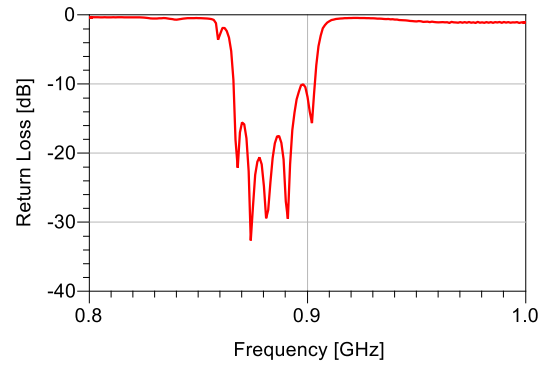
Input Return Loss



Attenuation



Output Return Loss



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