



Saw Band Pass Filter

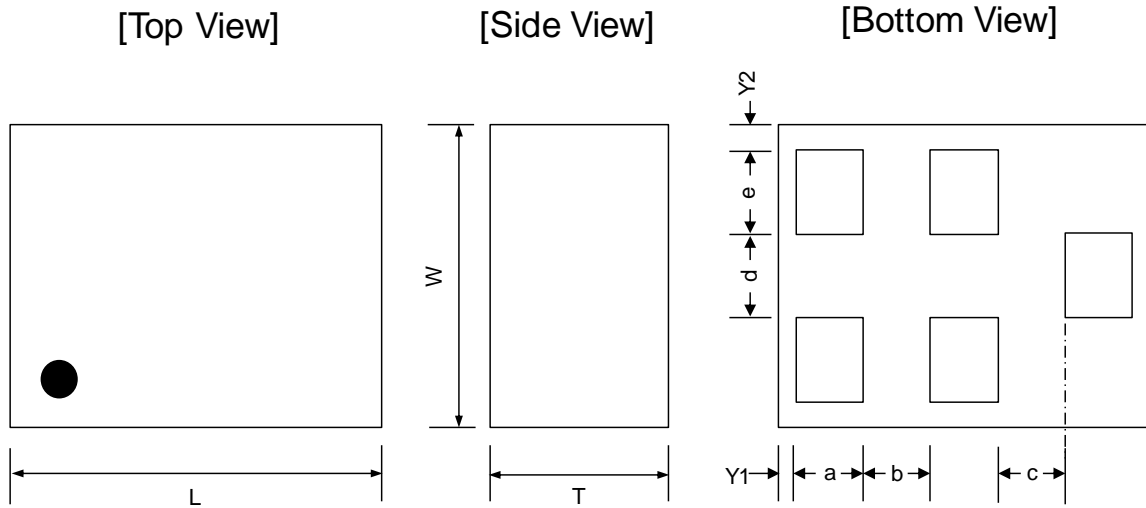
For LTE B40 Tx

2300-2400MHz

1.1x0.9mm Size

SAFI1109B40BPF1201

[Shapes and Dimensions]

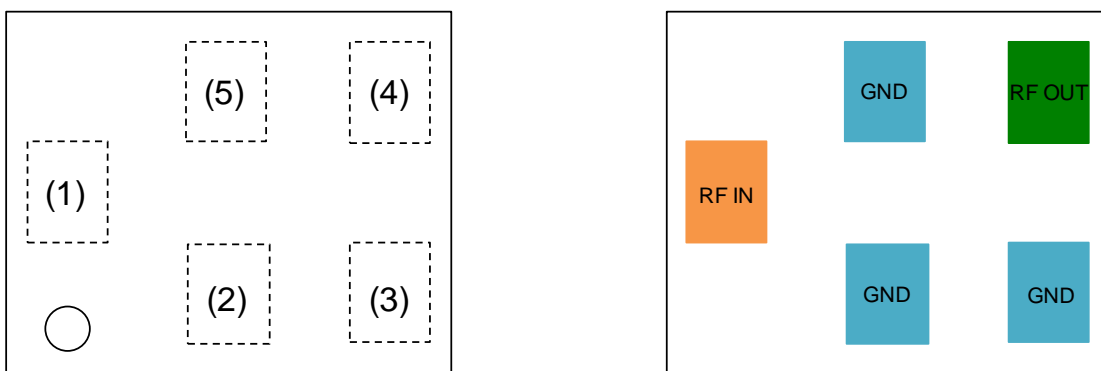


Dimensions (mm)

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

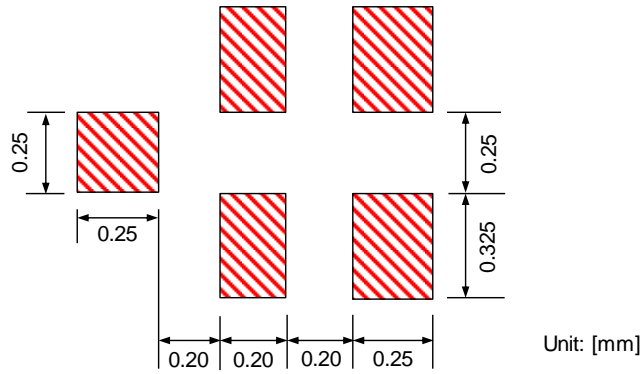
[Terminal Functions]

[Top View]



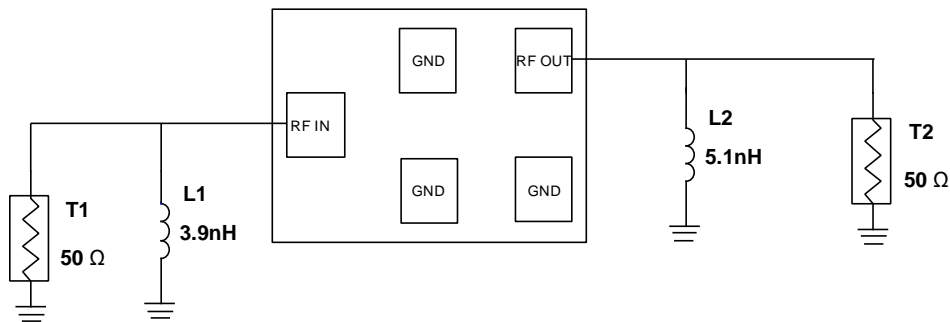
(1)	RF IN	(2)	GND	(3)	GND	(4)	RF OUT	(5)	GND
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[Recommended Land Pattern]



[Measurement Circuit]

Top View

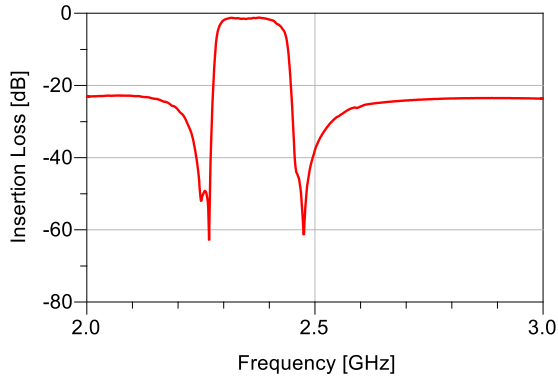


[Electrical Characteristics] (Measurement)

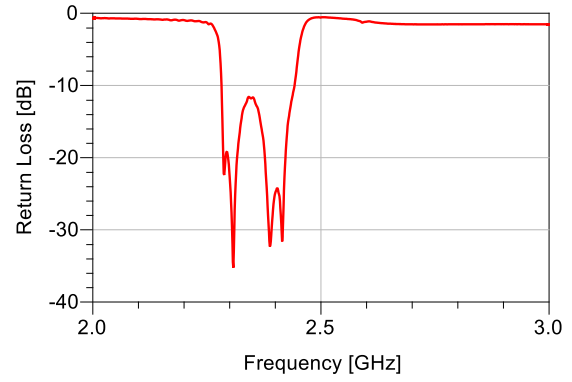
Parameter	Frequency (MHz)	Target Spec		
		Min.	Typ.	Max.
Insertion Loss (dB)	2300 to 2400	-	1.8	2.8
Return Loss (dB)	2300 to 2400	11	14	-
Ripple Deviation (dB)	2300 to 2400	-	1.0	2.3
Attenuation (dB)	10 to 1680	20	27	-
	1845 to 1880	18	24	-
	2110 to 2170	18	25	-
	2460 to 2500	30	43	-
	2500 to 3000	20	24	-
	4600 to 4800	30	34	-
	4800 to 6000	20	35	-
Max Input Power (dBm)		28		
Ambient Temperature (°C)		25		
Operating Temperature Range (°C)		-35	-	85
Storage Temperature Range (°C)		-40	-	85

[Frequency Characteristics]

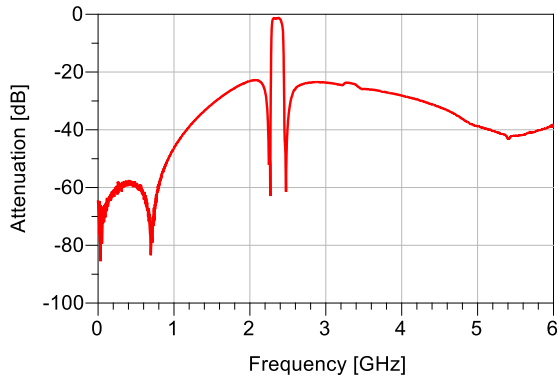
Insertion Loss



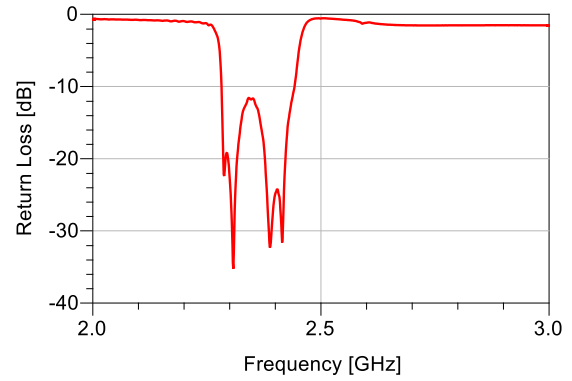
Input Return Loss



Attenuation



Output Return Loss



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