

Datasheet of SAW Filter

1109 ISM 2.4GHz

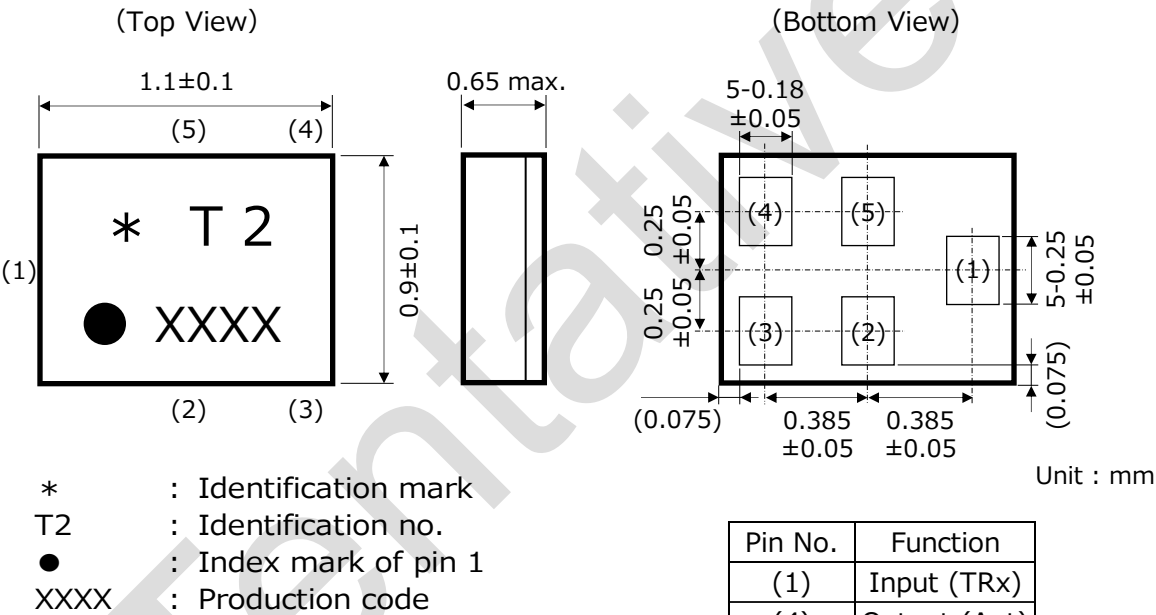
KYOCERA Part No. : SF11-2442M5UUB1

< Note > This specification may be subject to change.

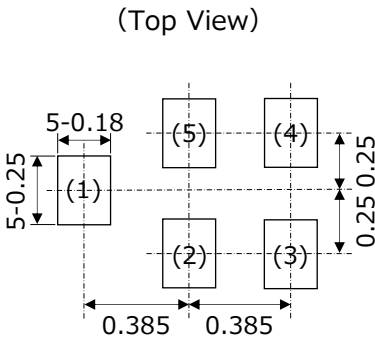
Rating

Items		Rating	Unit	Note
Operating Temperature Range		-40 to +85	deg.C	
Storage Temperature Range		-40 to +85	deg.C	
Max Input Power In Band		25	dBm	5,000Hours,Ta=50deg.C ,17.8MHz WLAN
ESD Level	Machine Model	50	Volt	Complied to JESD22-A115
Nominal Input Impedance		50 // 4.3nH	ohm	Unbalance
Nominal output Impedance		50 // 5.1nH	ohm	Unbalance

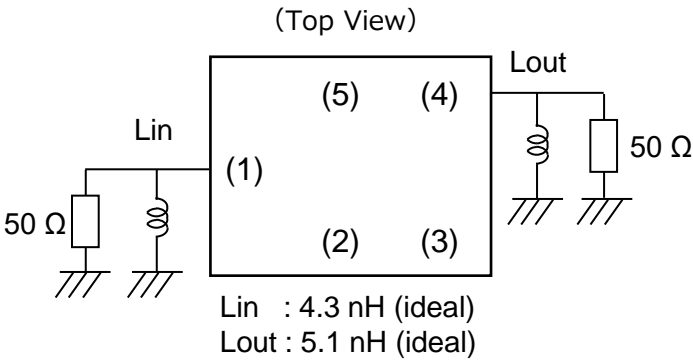
Dimensions



Recommendable Land Pattern



Measurement Circuit



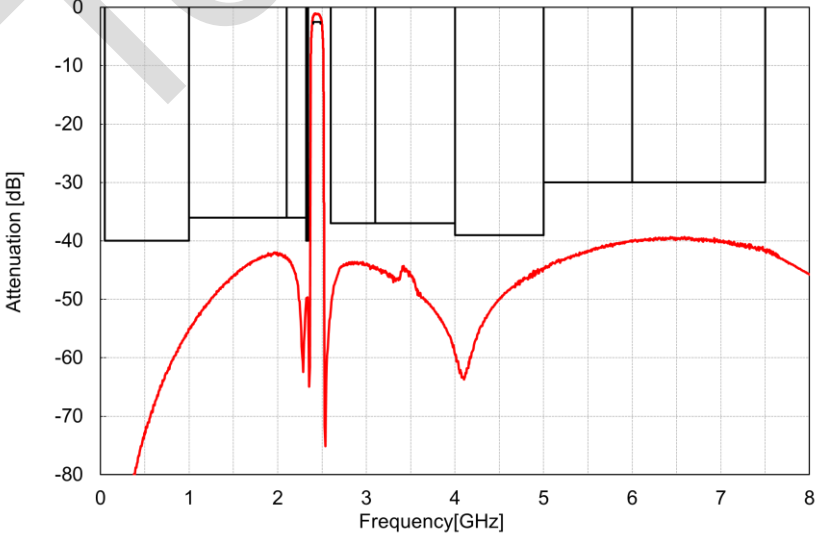
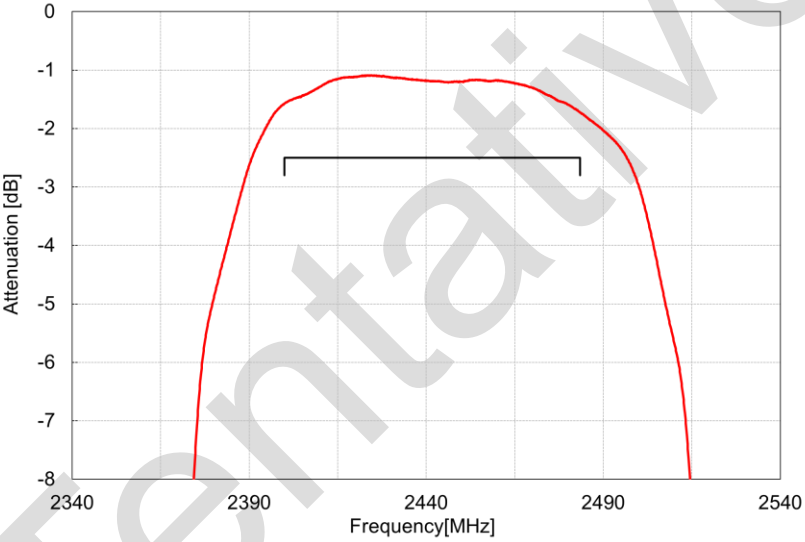
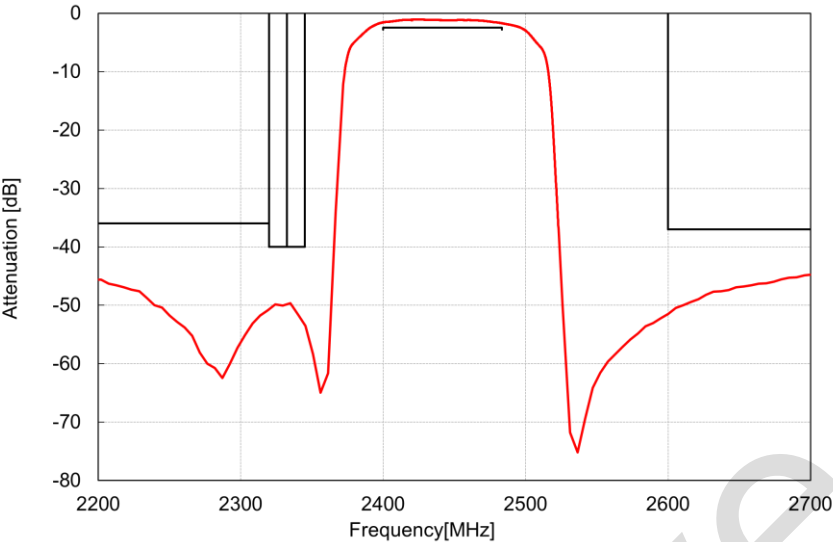
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Electrical Characteristics

Items		Frequency[MHz]	Unit	Kyocera Tentative SPEC			Note
				min	typ	max	
Insertion Loss		2400 - 2483.5	dB	-	1.7	2.5	Average over each WLAN channel with band width of 17.8 MHz
		2403.1 - 2480.9	dBINT	-	1.4	1.9	
Ripple		2400 - 2483.5	dB	-	0.6	2.1	
VSWR	Input	2400 - 2483.5		-	1.5	2.2	
	Output	2400 - 2483.5		-	1.5	2.2	
Attenuation		50 - 1000	dB	40	55	-	
		1000 - 2100	dB	36	42	-	
		2100 - 2320	dB	36	43	-	
		2320 - 2332.5	dB	40	50	-	
		2332.5 - 2345	dB	40	50	-	
		2600 - 3100	dB	37	44	-	
		3100 - 4000	dB	37	45	-	
		4000 - 5000	dB	39	45	-	
		5000 - 6000	dB	30	40	-	
		6000 - 7500	dB	30	39	-	

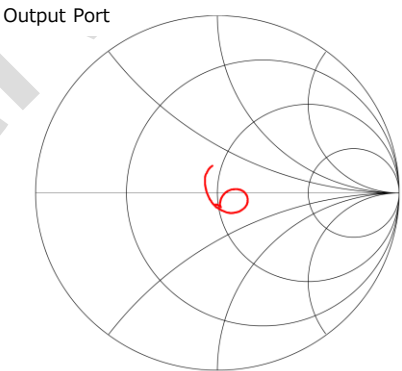
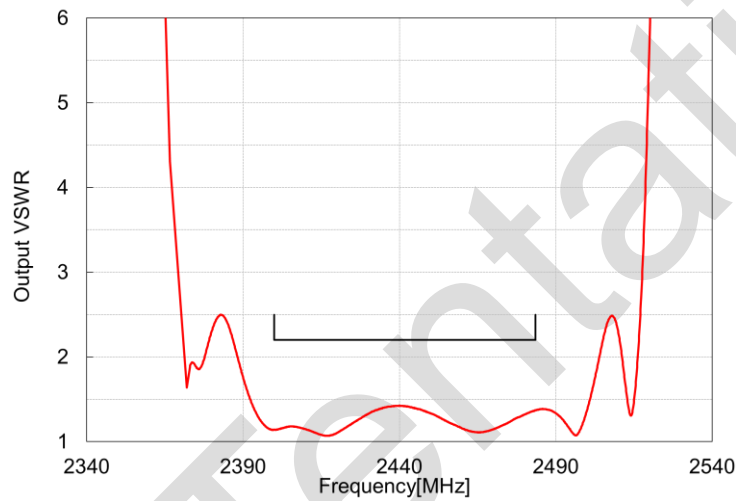
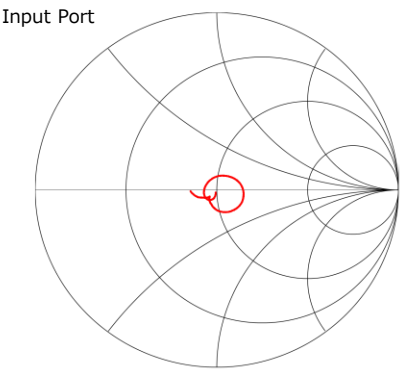
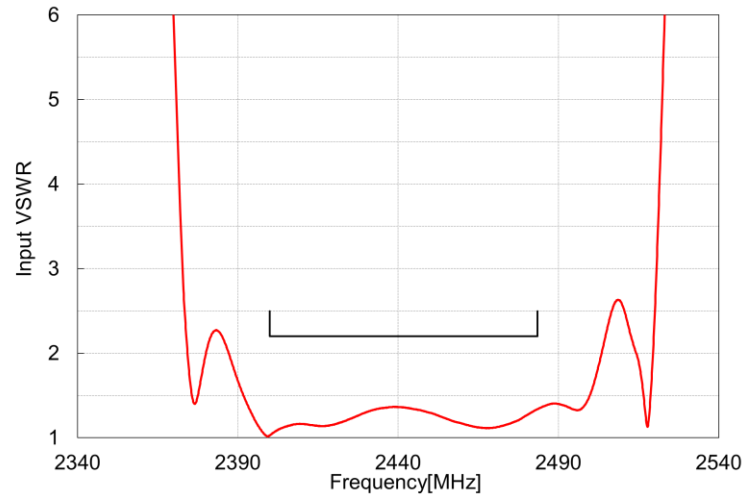
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Electrical Characteristics



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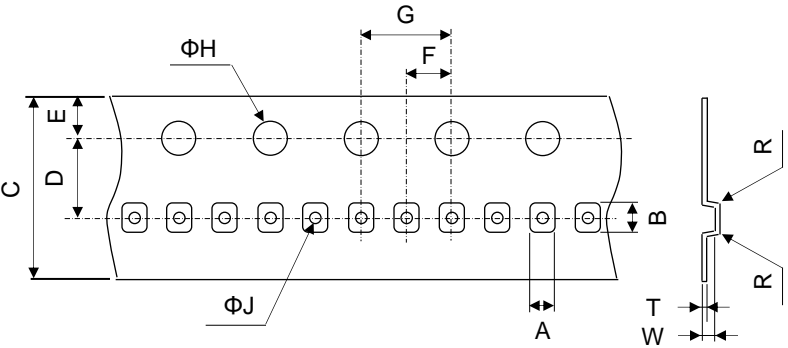
Electrical Characteristics



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Tape & Reel Specification

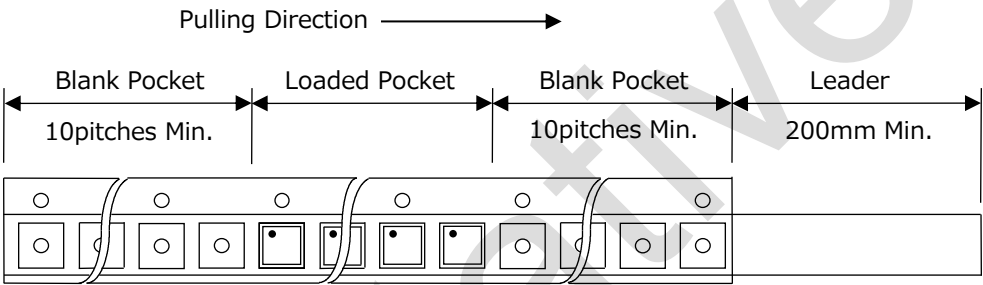
[Tape]



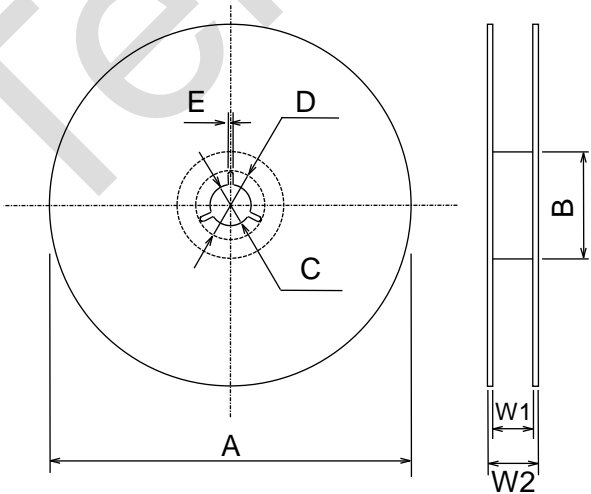
Unit : mm

Part	Dimension
A	1.1±0.05
B	1.3±0.05
C	8.0±0.1
D	3.5±0.05
E	1.75±0.1
F	2.0±0.05
G	4.0±0.05
φH	1.5+0.1/-0
φJ	0.50±0.05
R	0.1 Max
W	0.60±0.05
T	0.20+0.03/-0.02

W : Dimension is depth of pockets.



[Reel]



Part	A	B	C	D
Dimension	180 +0/-1.5	60 +1.0/-0	13 ± 0.2	21 ± 0.8
Part	E	W1	W2	
Dimension	2 ± 0.5	9.0 +1.0/-0	11.4 ± 1.0	

Unit : mm

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