

KYOCERA SAW Filter
- Wi-Fi 2.4GHz -
Type Name : SF11-2441M5UUC1

Jun., 3, 2025

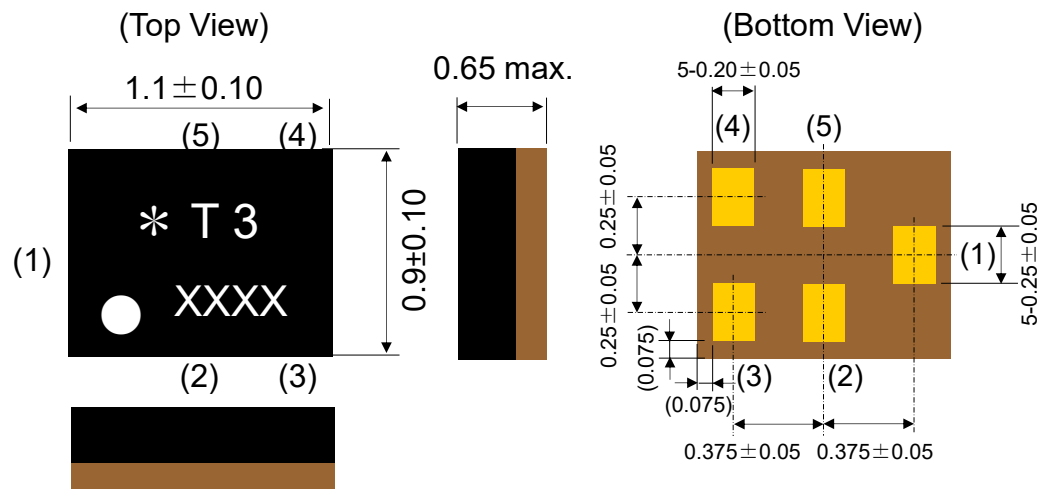
KYOCERA Corporation

Corporate Electronic Components Group

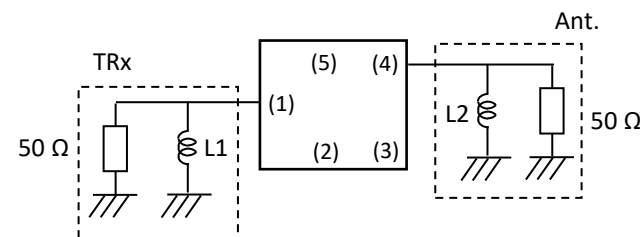
Electronic Devices Division

Dimensions & Test Circuit of SAW Filter

■ Dimensions



■ Test Circuit (TBD)



L1 : 8.2nH (Ideal)
L2 : 12nH (Ideal)

Pin allocation

Unit : mm
* : Identification mark
T3 : Identification no.
● : Index mark of pin 1
XXXX : Production code

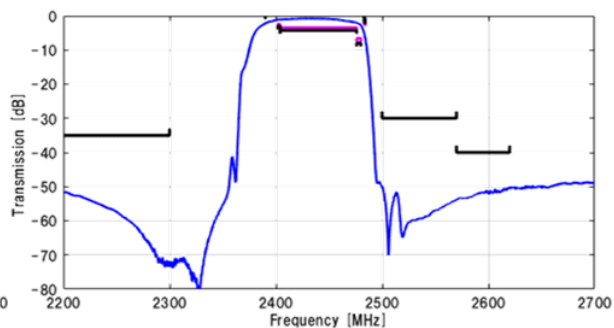
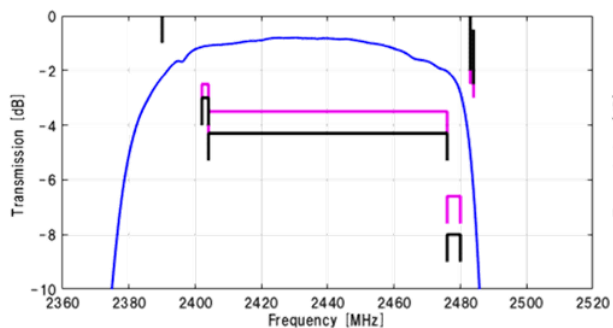
Pin No.	Function
(1)	Input
(2)	GND
(3)	GND
(4)	Output
(5)	GND

Items		Rating	Unit	Note
Operating Temperature Range		0 to 50	deg.C	
Storage Temperature Range		0 to 50	deg.C	
Max Input Power	Input port	20	dBm	5,000Hours, Ta=50deg.C ,CW
ESDLevel	Charged Device Model	250	Volt	Complied to JESD22-C101
Nominal Input Impedance		50 // 8.2nH	ohm	Unbalance
Nominal output Impedance		50 // 12nH	ohm	Unbalance

Characteristic table

Items	Frequency (MHz)	Unit	Kyocera Specification			Note
			min.	typ.	max.	
Insertion Loss	2404 to 2476	dB	-	2.2	3.5	25deg.C
			-		4.3	
	2402 to 2404	dB	-	1.2	2.5	25deg.C
			-		3.0	
	2476 to 2480	dB	-	3.4	6.6	25deg.C
			-		8.0	
Ripple	2404 to 2476	dB	-	1.4	3.5	25deg.C
			-		4.3	
VSWR Input	2402 to 2480	-	-	1.5	4.0	25deg.C
			-		4.0	
VSWR Output	2402 to 2480	-	-	1.5	4.0	25deg.C
			-		4.0	
Attenuation	2390	dB	1.0	2.3	-	25deg.C
			1.0		-	
	2483	dB	2.5	6.5	-	25deg.C
			2.0		-	
	2484	dB	3.0	8.2	-	25deg.C
			2.5		-	
	30 to 2300	dB	35	44	-	
	2500 to 2570	dB	30	50	-	
	2570 to 2620	dB	40	50	-	
	4804 to 4960	dB	35	59	-	
	7206 to 7440	dB	30	47	-	

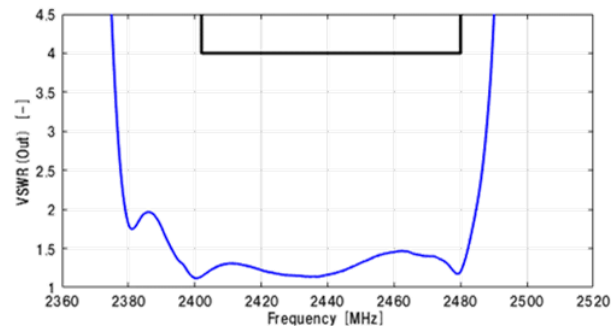
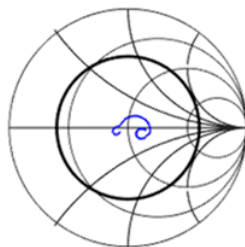
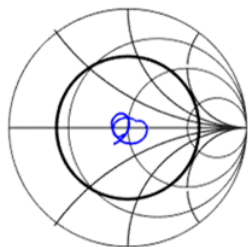
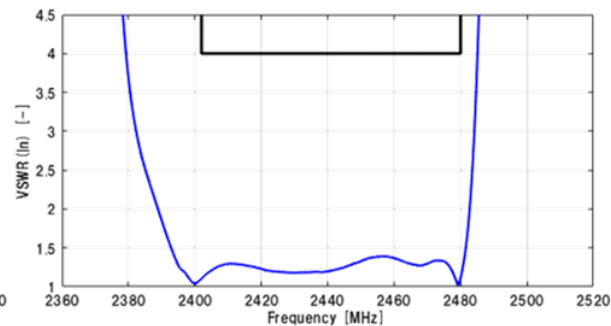
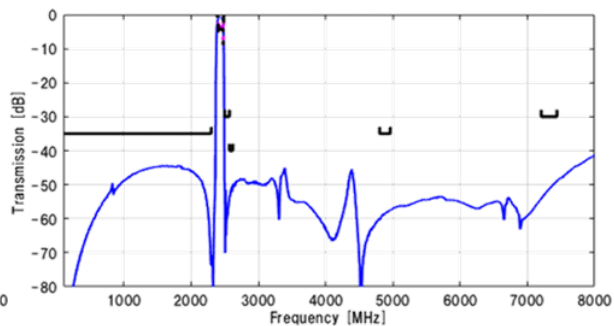
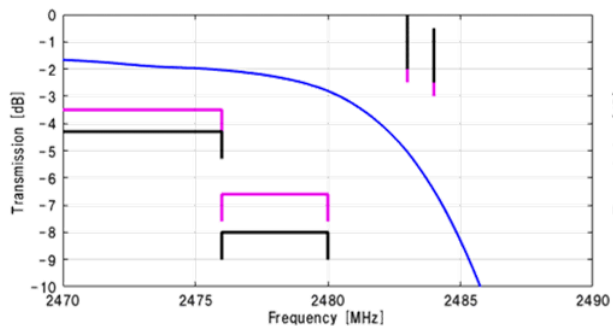
Typical Curve Data



SF11-2441M5UUC1

Specification
0 to +50 deg.C

Specification
+25 deg.C



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