KYOCERA SAW Filter

- ISM2.4GHz Filter -

Type Name : SF14-2446M5UUP3

Jul.,1, 2024

KYOCERA Corporation

Corporate Electronic Devices Group

Electronic Devices Division

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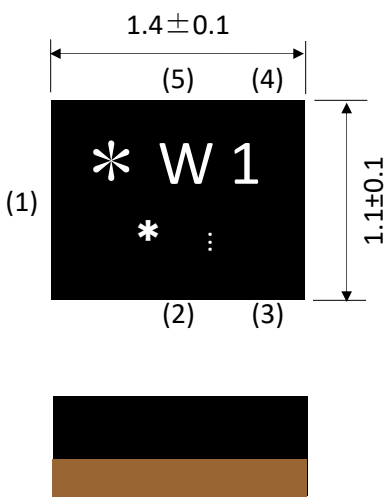
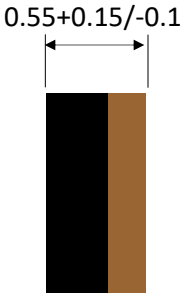
Dimensions & Test Circuit of SAW Filter

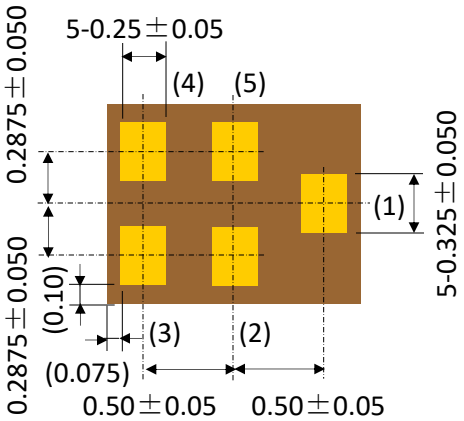
Dimensions

(Top View)





(Bottom View)

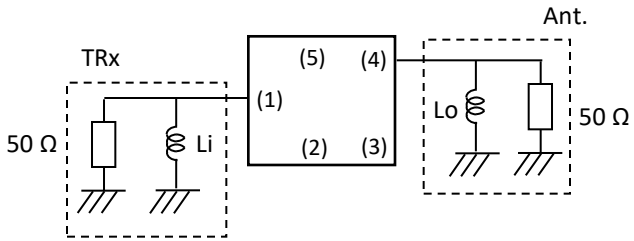


Unit : mm
* : Identification mark
W1 : Identification No.
* : Monthly Code
⋮ : Index mark of ten days

Pin allocation

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

Test Circuit



Li : 2.7nH (Ideal)
Lo : 2.7nH (Ideal)

Port extension (Time) : 93ps
Port extension (Loss) : 0.15dB

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Rating

Items	Rating	Unit	Note
Operating Temperature Range	-40 to +85	deg.C	
Storage Temperature Range	-40 to +85	deg.C	
Max Input Power	+24	dBm	10,000Hours, Ta=65 deg.C
Nominal Input Impedance	50//2.7nH	ohm	Unbalance
Nominal Output Impedance	50//2.7nH	ohm	Unbalance

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Characteristic table

Items	Frequency (MHz)			Specification			Unit	Note
				min.	typ.	max.		
Insertion Loss	2400	to	2493	-	1.5	2.3	dB	
Ripple	2400	to	2493	-	0.3	1.4	dB	
Input VSWR	2400	to	2493	-	1.3	2.1	-	
Output VSWR	2400	to	2493	-	1.3	2.1	-	
Absolute Attenuation	875	to	885	50	59	-	dB	
	869	to	894	50	58	-	dB	
	925	to	960	50	56	-	dB	
	1477	to	1501	38	44	-	dB	
	1574.42	to	1576.42	38	44	-	dB	
	1805	to	1880	30	37	-	dB	
	1930	to	1990	28	33	-	dB	
	2110	to	2155	28	38	-	dB	
	2110	to	2170	28	36	-	dB	
	2595	to	2625	30	39	-	dB	
	4800	to	5805	23	27	-	dB	

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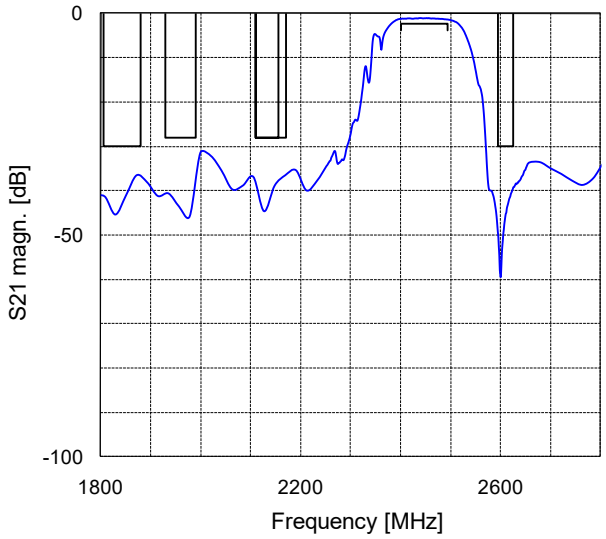
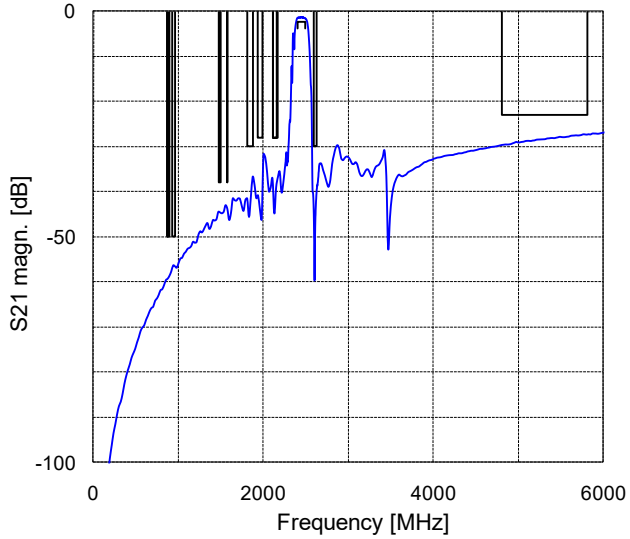
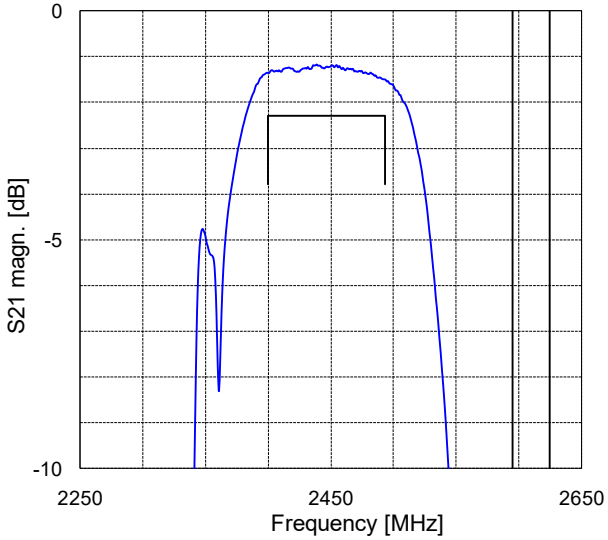
Typical Curve Data







SF14-2446
M5UUP3

Spec.

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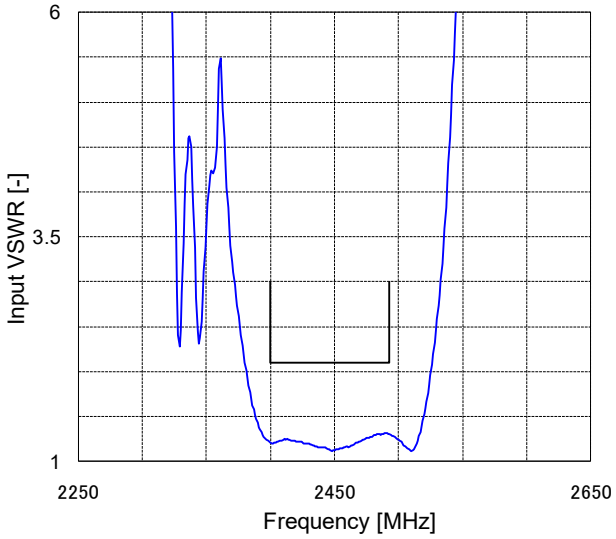
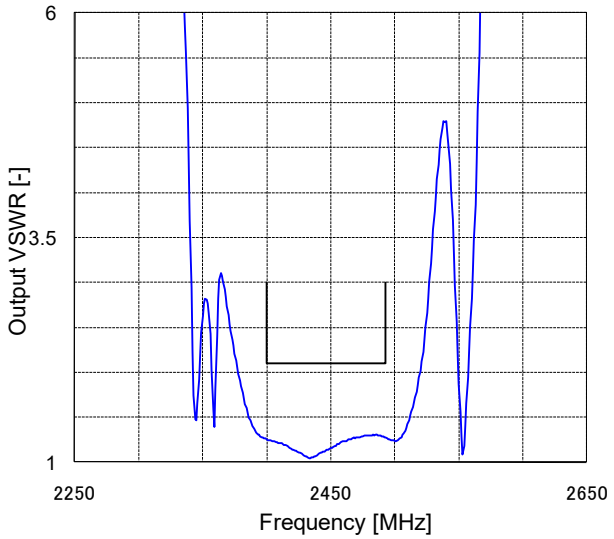
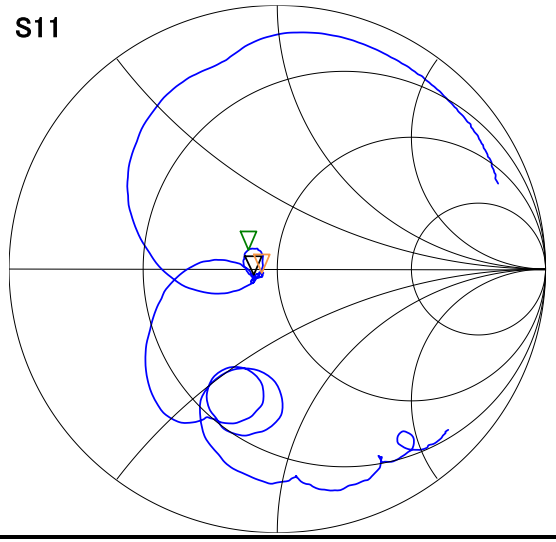
Typical Curve Data

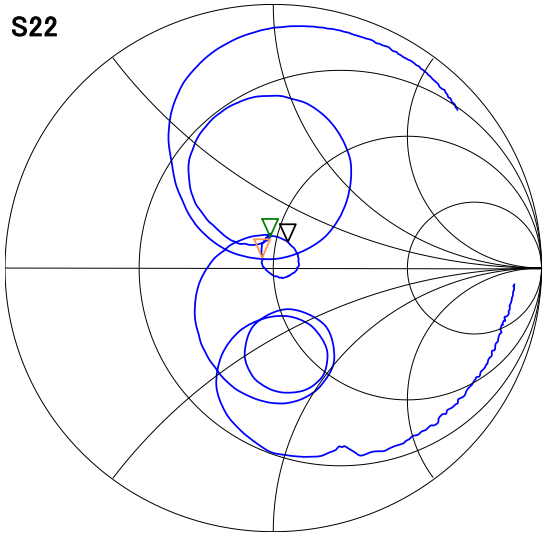
SF14-2446
M5UUP3

Spec.









▽ : 2400.0MHz
▽ : 2446.5MHz
▽ : 2493.0MHz

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