Document No. : SXC12331-01

KYOCERA SAW Filter

- 915MHz ISM Band -

Type Name : SF14-0915M5UUP1

Jul.,16, 2025

KYOCERA Corporation

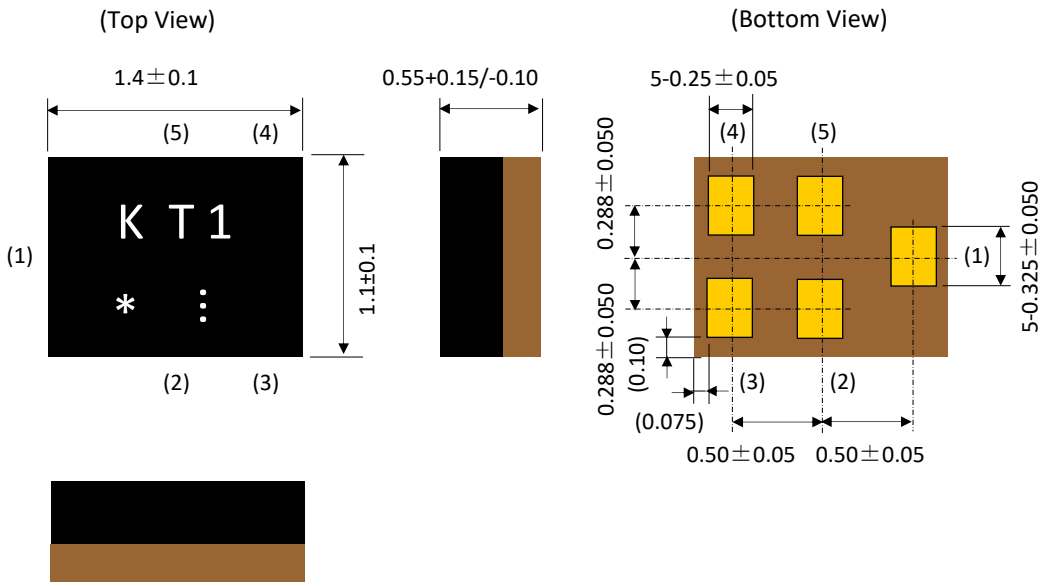
Corporate Electronic Components Group

Electronic Devices Division

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Dimensions & Test Circuit of SAW Filter

Dimensions

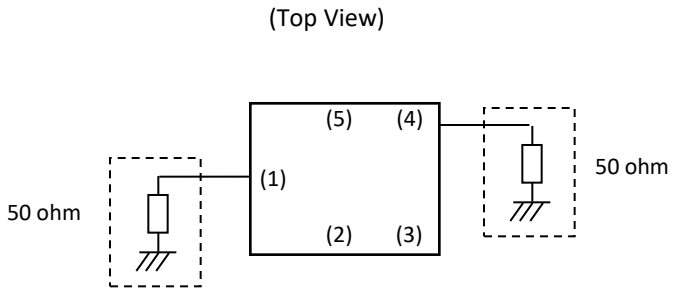


Unit : mm
K T1 : Type No.
* : Monthly Code

Pin Allocation

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

Test Circuit



Port Extension(Time) : 80ps
Port Extension(Loss) : 0.2dB

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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		+13	dBm	
ESD Level	Machine Model	50	Volt	Complied to JESD22-A115
Nominal Input Impedance		50	ohm	Unbalance
Nominal Output Impedance		50	ohm	Unbalance

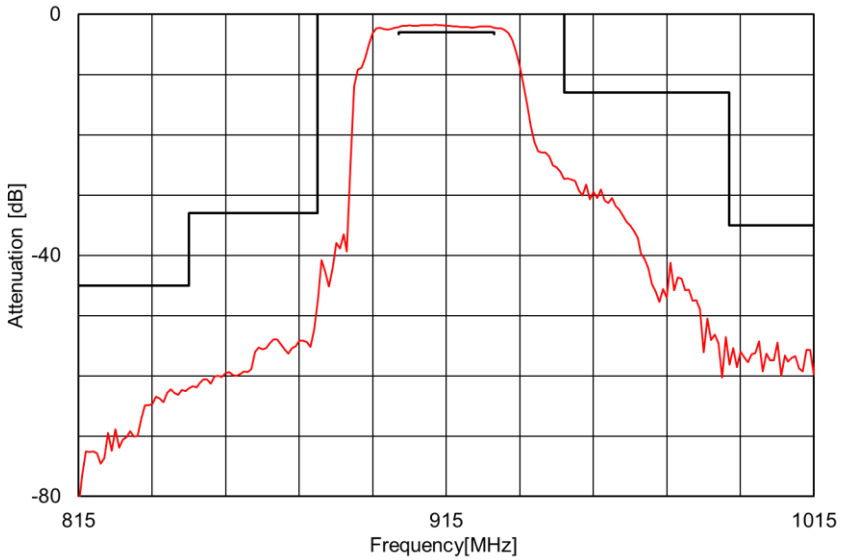
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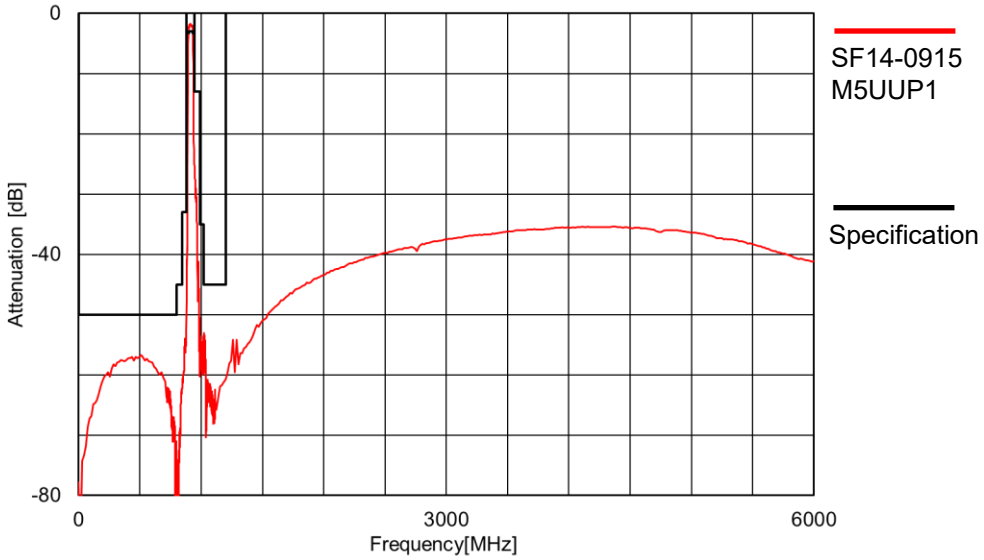
Characteristic table

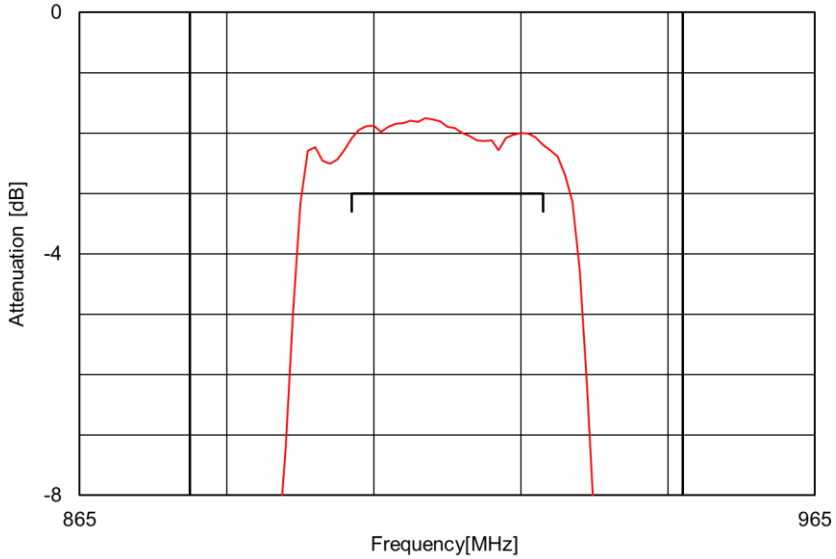
Items	Frequency Range [MHz]			Specification			Unit	Note
				min.	typ.	max.		
Nominal Center Frequency	–			915			MHz	
Insertion Loss	902	to	928	–	1.8	3.0	dB	
Ripple (peak to peak)	902	to	928	–	0.5	1.8	dB	
Input VSWR	902	to	928	–	1.7	2.0	–	-30 to +85deg.C
						2.5	–	
Output VSWR	902	to	928	–	1.7	2.0	–	-30 to +85deg.C
						2.5	–	
Absolute Attenuation	0.3	to	800	50	56	–	dB	
	800	to	845	45	62	–	dB	
	845	to	880	33	47	–	dB	
	947	to	992	13	27	–	dB	
	992	to	1020	35	53	–	dB	
	1020	to	1080	45	53	–	dB	

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Typical Curve Data

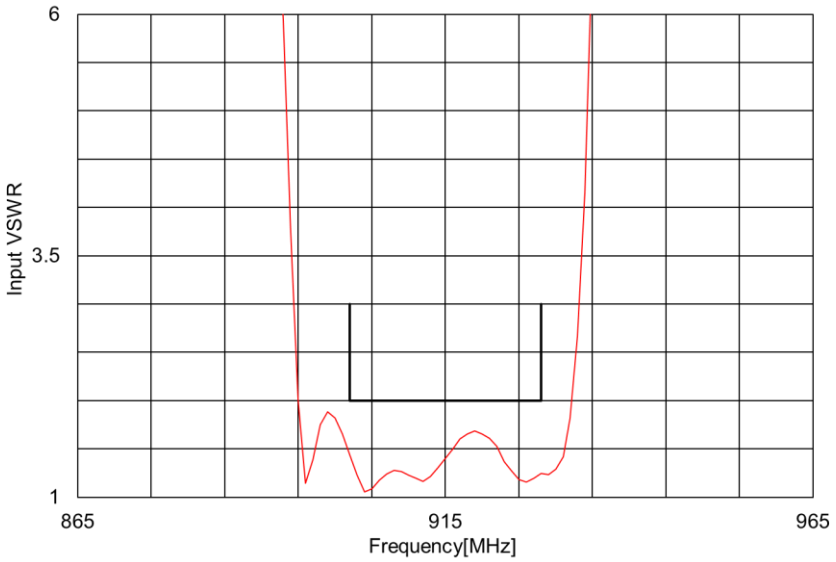


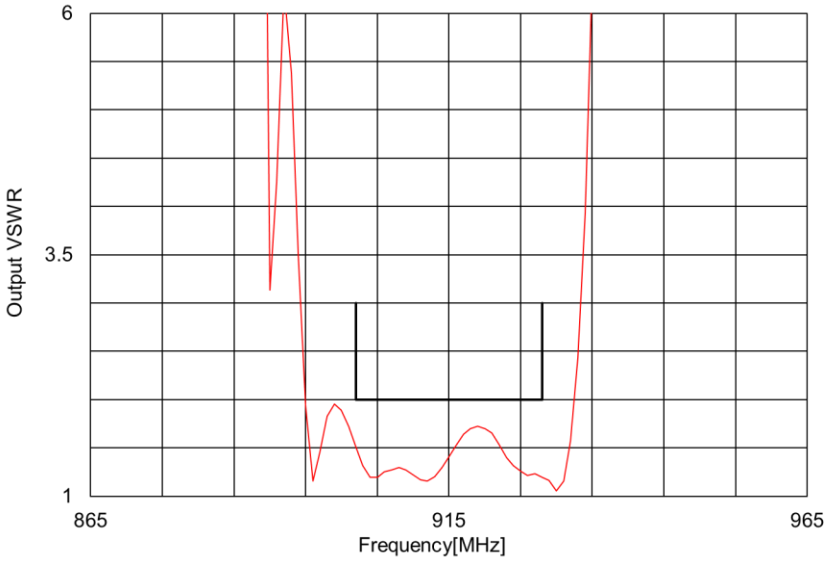




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Typical Curve Data





SF14-0915 M5UUP1

Specification (-30 to +85 degC)

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