

KYOCERA SAW Filter
- GNSS -
Type Name : SF14-1575M5UBQ1

May, 30, 2024

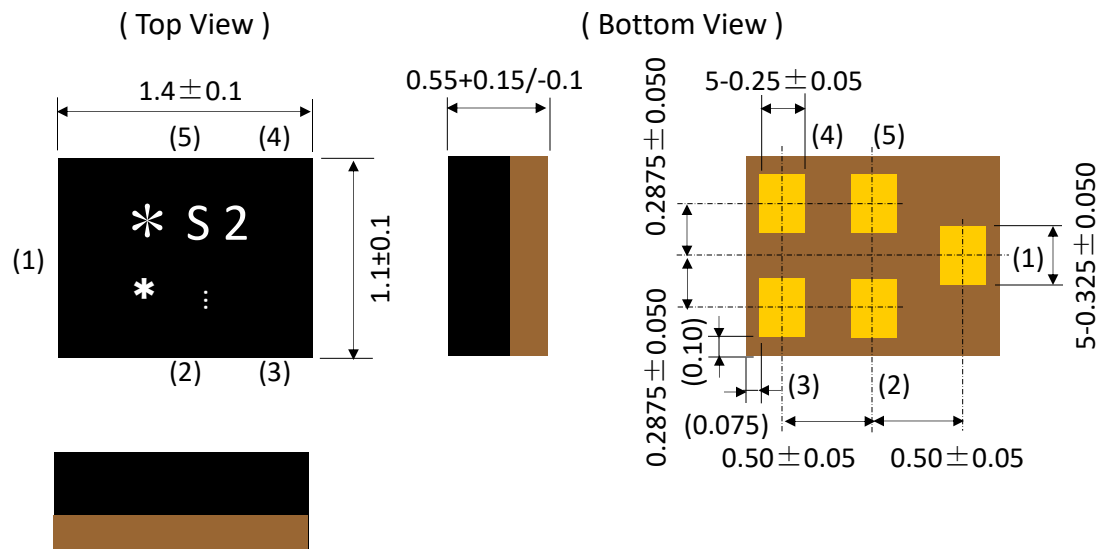
KYOCERA Corporation

Corporate Electronic Devices Group

Electronic Devices Division

Dimensions & Test Circuit of SAW Filter

■ Dimensions

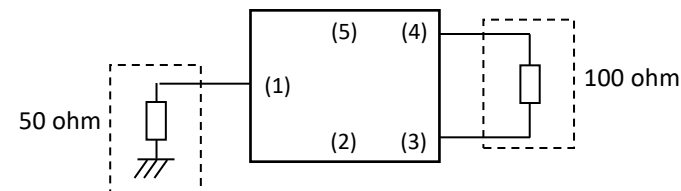


Pin allocation

- * : Identification mark
- S2 : Identification no.
- * : Monthly Code
- ⋮ : Index mark of ten days

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

■ Test Circuit

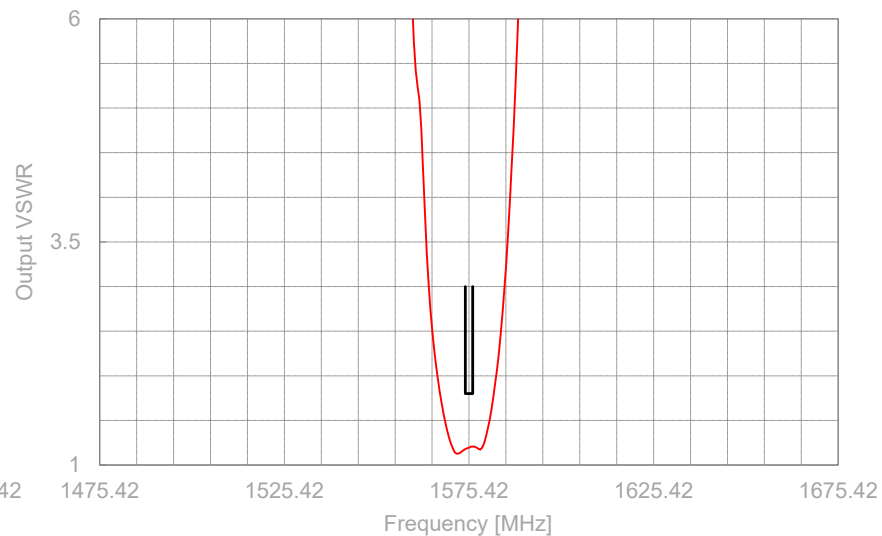
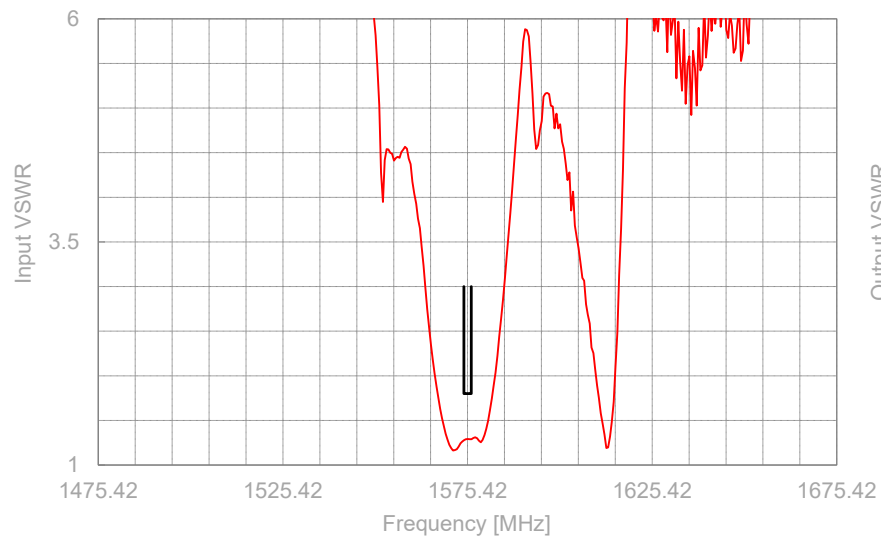
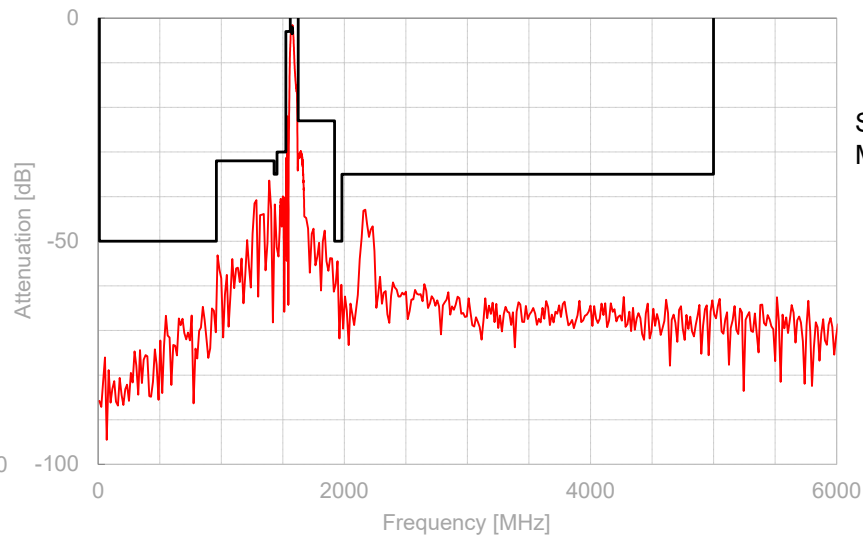
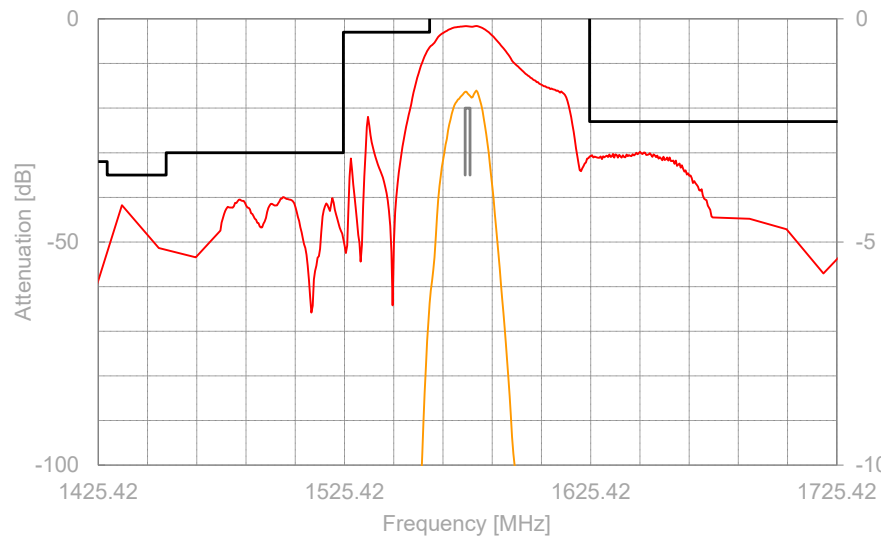


Items	Specification			Unit
	min.	typ.	max.	
Operating Temperature Range	-30 to +85			deg.C
Storage Temperature Range	-40 to +85			deg.C
Max Input Power	-	-	+12	dBm
Nominal Input Impedance	50			ohm
Nominal Output Impedance	100			ohm

Characteristic table

Items	Frequency Range (MHz)	Specification			Unit
		min.	typ.	max.	
Nominal Center Frequency	-	1575.42			MHz
Insertion Loss	1574.42 to 1576.42	-	1.7	2.0	dB
Amplitude Ripple(P-P)		-	0.05	1.0	dB
Input VSWR		-	1.3	1.8	-
Output VSWR		-	1.1	1.8	-
Absolute Attenuation	10 to 250	50	76	-	dB
	250 to 810	50	63	-	dB
	810 to 960	50	58	-	dB
	960 to 1429	32	36	-	dB
	1429 to 1453	35	40	-	dB
	1453 to 1525	30	38	-	dB
	1525 to 1560	3	6	-	dB
	1625 to 1920	23	28	-	dB
	1920 to 1980	50	54	-	dB
	1980 to 5000	35	42	-	dB
Amplitude Imbalance	1574.42 to 1576.42	-1.8	-0.6	+1.8	dB
Phase Imbalance		-11	-4.5	+11	deg.

Typical Curve Data



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