

KYOCERA SAW Filter
- GNSS -
Type Name : SF14-1575F5UUP1

May, 30, 2024

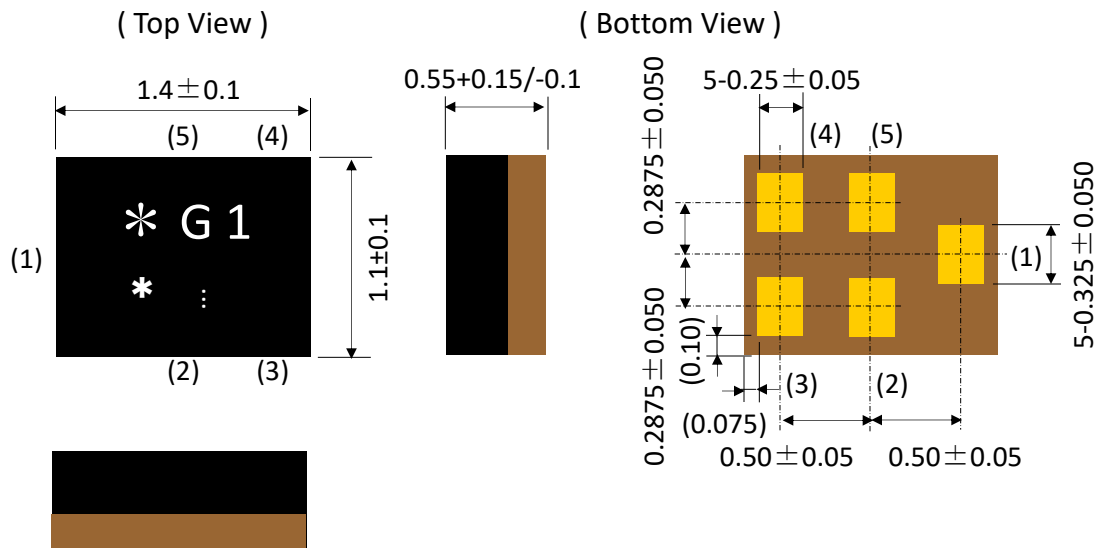
KYOCERA Corporation

Corporate Electronic Devices Group

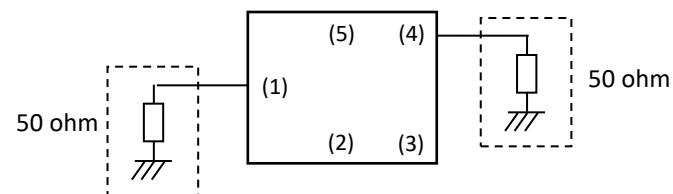
Electronic Devices Division

Dimensions & Test Circuit of SAW Filter

■ Dimensions



■ Test Circuit



Pin allocation

- * : Identification mark
- G1 : Identification no.
- * : Monthly Code
- ⋮ : Index mark of ten days

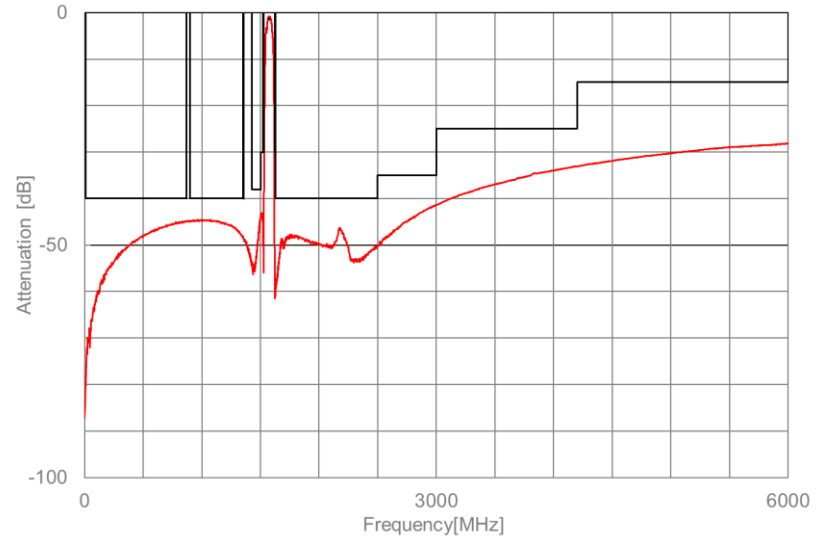
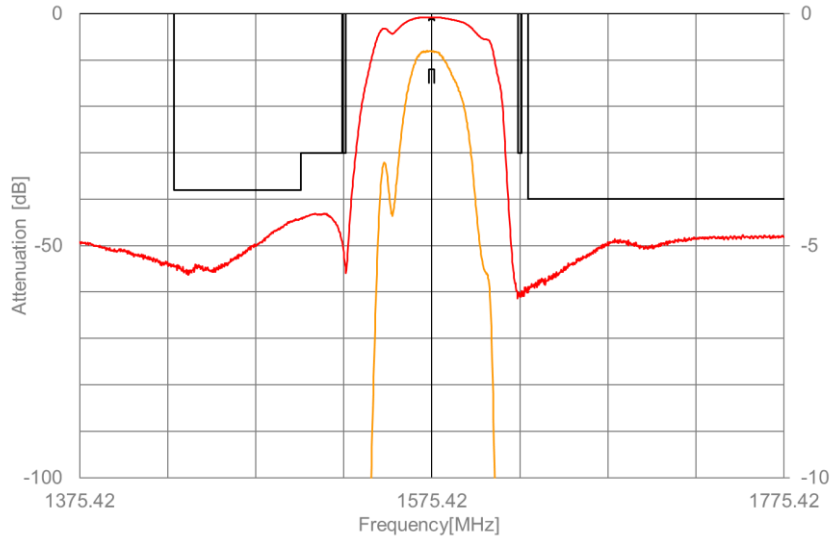
Pin No.	Function
(1)	Input
(2)	GND
(3)	GND
(4)	Output
(5)	GND

Items	Specification			Unit	Note
	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	Unbalance
Nominal Output Impedance	50			ohm	Unbalance

Characteristic table

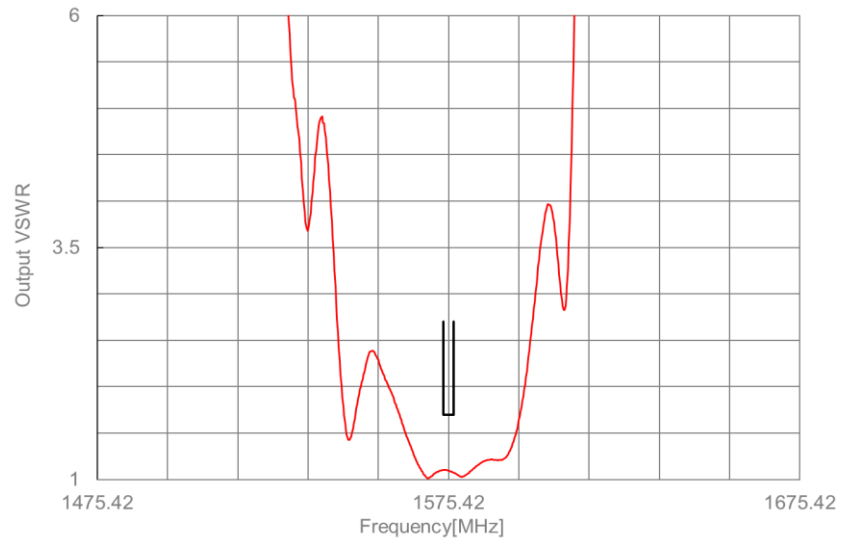
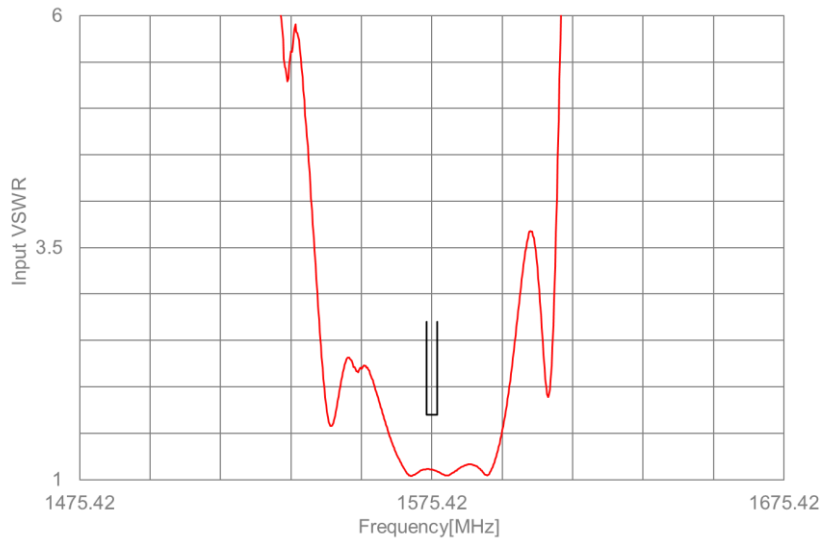
Items	Frequency [MHz]	Specification			Unit
		min.	typ.	max.	
Nominal Center Frequency		1575.42			MHz
Insertion Loss	1573.92 to 1576.92	-	0.8	1.2	dB
Ripple (peak to peak)	1573.92 to 1576.92	-	0.1	0.6	dB
Input VSWR	1573.92 to 1576.92	-	1.1	1.7	-
Output VSWR	1573.92 to 1576.92	-	1.0	1.7	-
Absolute Attenuation	10 to 843	40	45	-	dB
	843 to 870	40	44	-	dB
	898 to 925	40	44	-	dB
	925 to 1350	40	44	-	dB
	1355.25	40	49	-	dB
	1429 to 1501	38	44	-	dB
	1501 to 1525	30	44	-	dB
	1525.42	30	49	-	dB
	1625.42	30	56	-	dB
	1630 to 1893	40	47	-	dB
	1893 to 1920	40	48	-	dB
	1920 to 1940	40	49	-	dB
	1940 to 1980	40	49	-	dB
	1980 to 2500	40	47	-	dB
	2500 to 3000	35	41	-	dB
3000 to 4200	25	32	-	dB	
4200 to 6000	15	27	-	dB	

Typical Curve Data



SF14-1575
F5UUP1

Spec.



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