Document No. : SXC12381-00

KYOCERA SAW Filter

- GNSS -

Type Name : SF14-1575F5UUP1

May, 30, 2024

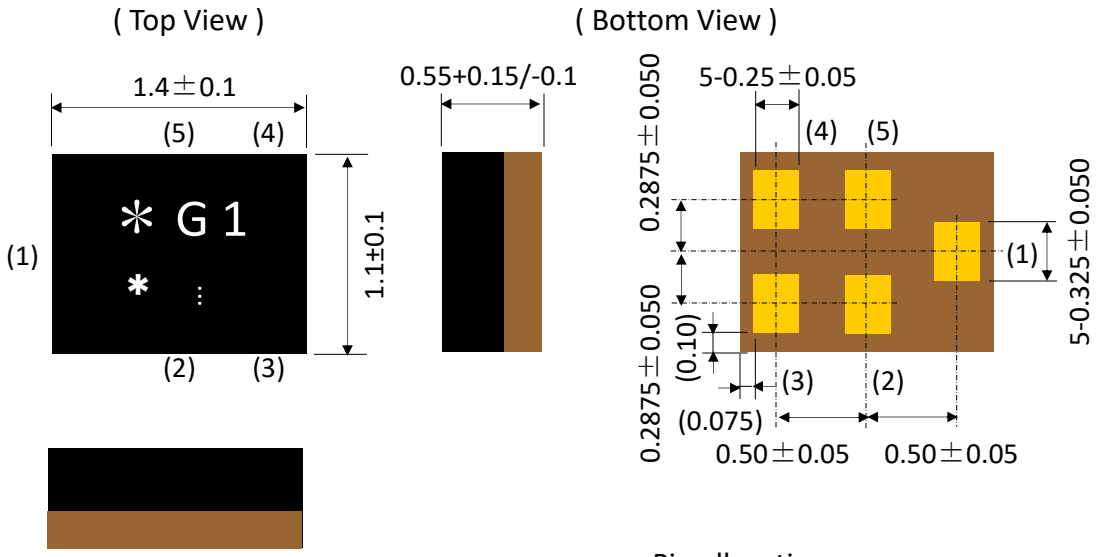
KYOCERA Corporation

Corporate Electronic Devices Group

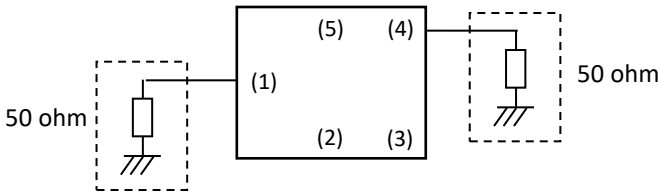
Electronic Devices Division

Dimensions & Test Circuit of SAW Filter

Dimensions



Test Circuit



* : 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

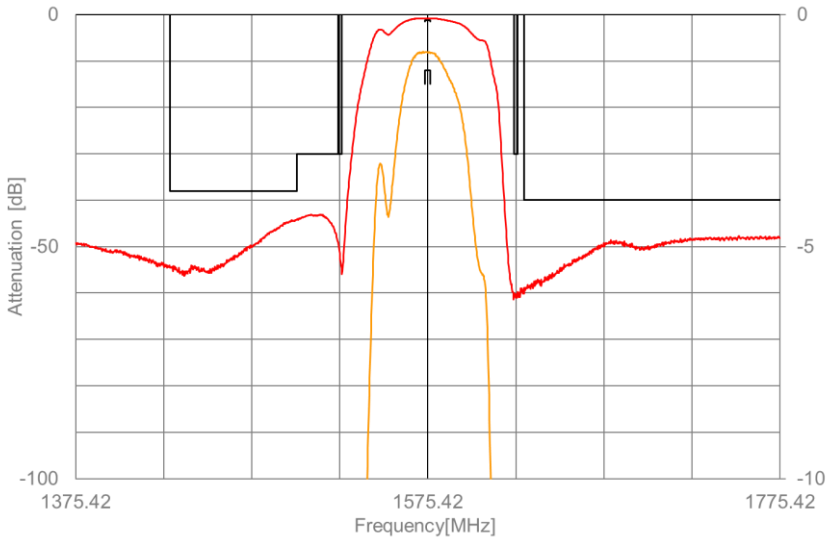
Rating

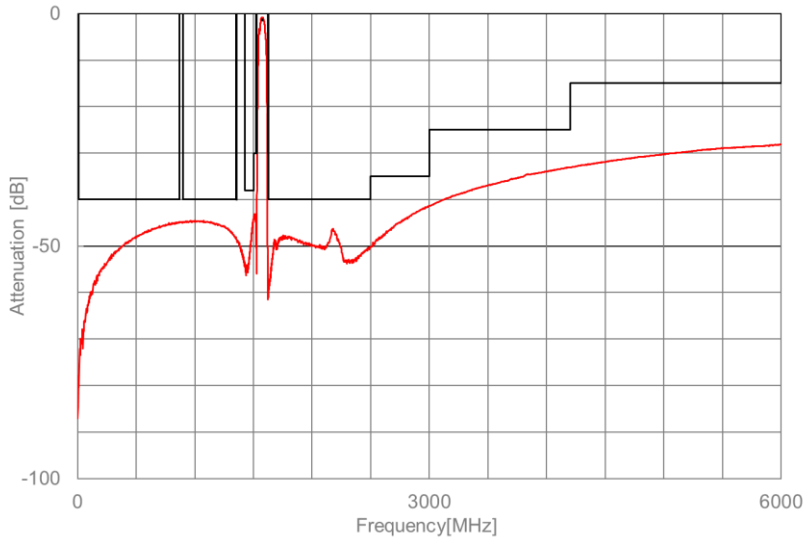
Items	Specification			Unit	Note
	min.	typ.	max.		
Operating Temperature Range	-30 to +85			deg.C	
Storage Temperature Range	-40 to +85			deg.C	
Max Input Power	-	-	+12	dBm	
Nominal Input Impedance	50			ohm	Unbalance
Nominal Output Impedance	50			ohm	Unbalance

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

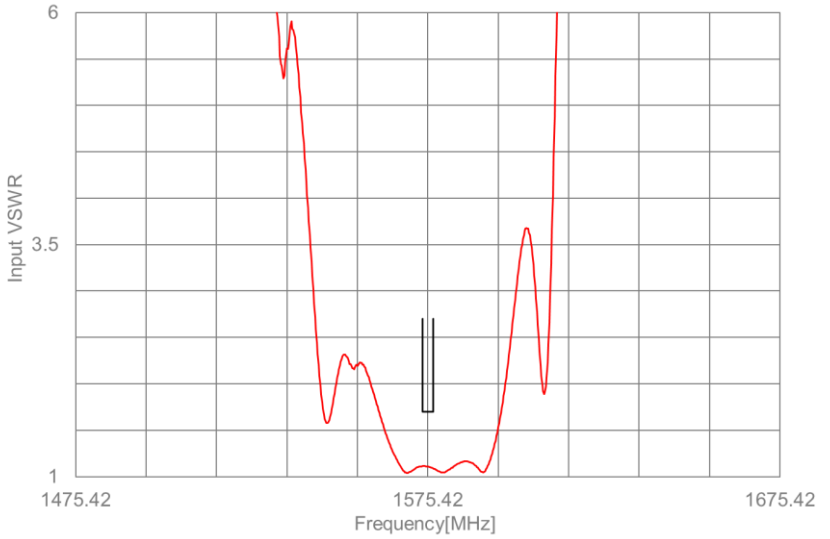
Typical Curve Data

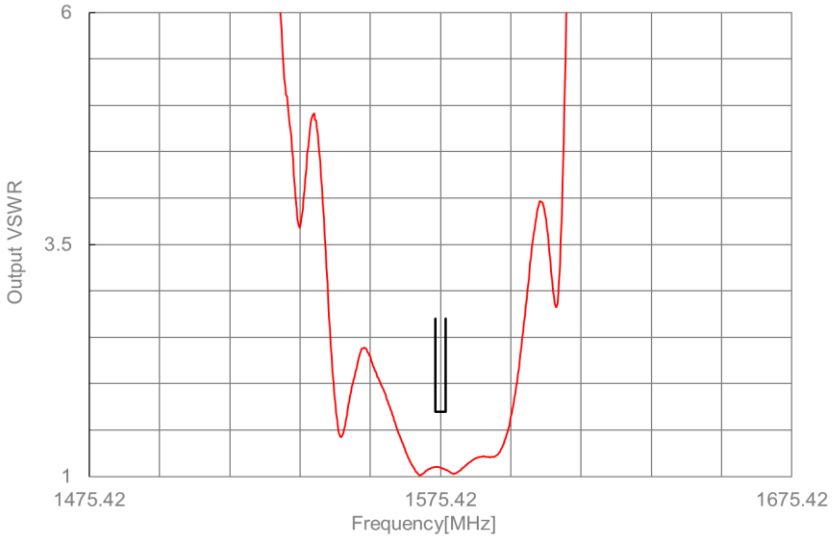




SF14-1575
F5UUP1

Spec.





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