

KYOCERA SAW Filter
- GNSS -
Type Name : SF14-1575M5UBP1

May, 30, 2024

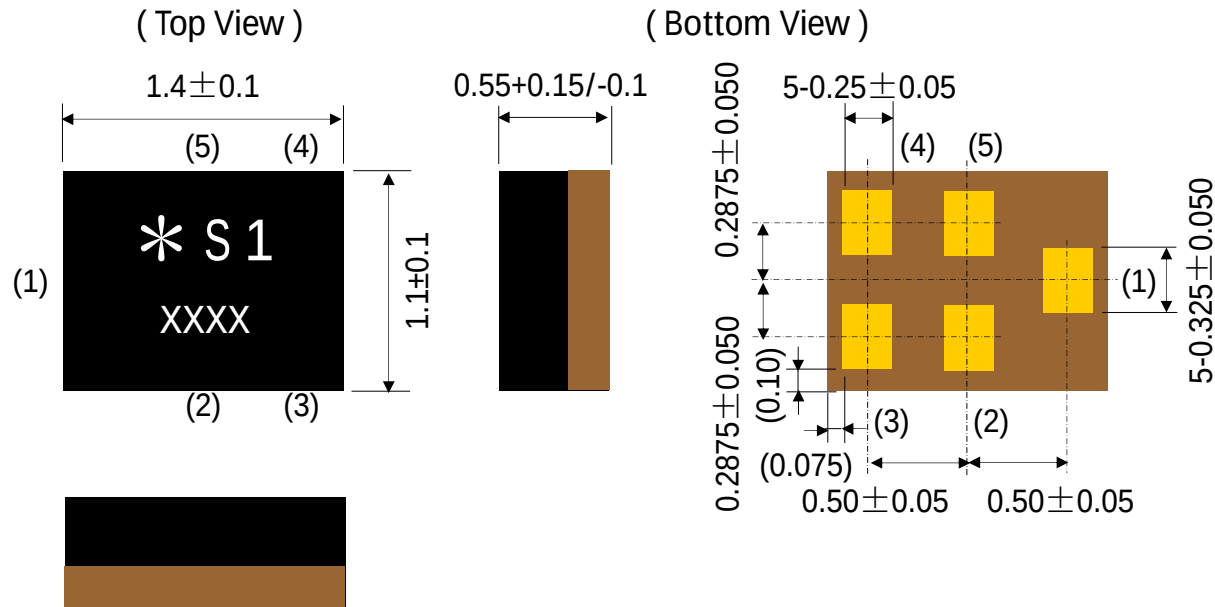
KYOCERA Corporation

Corporate Electronic Devices Group

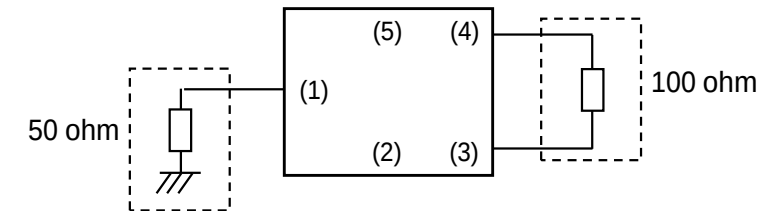
Electronic Devices Division

Dimensions & Test Circuit of SAW Filter

■ Dimensions



■ Test Circuit



* : Identification mark
S1 : Identification no.
XXXX : Production code

Pin allocation

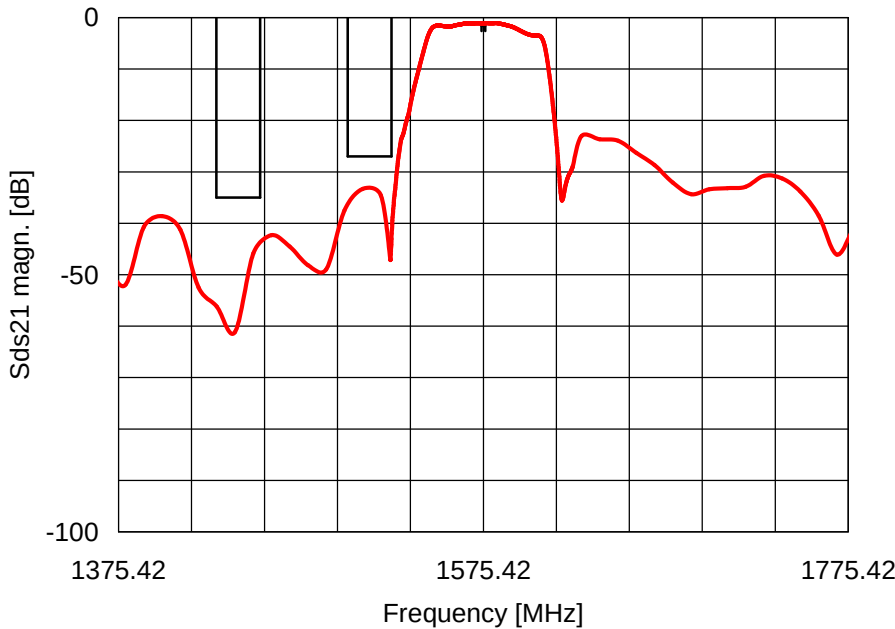
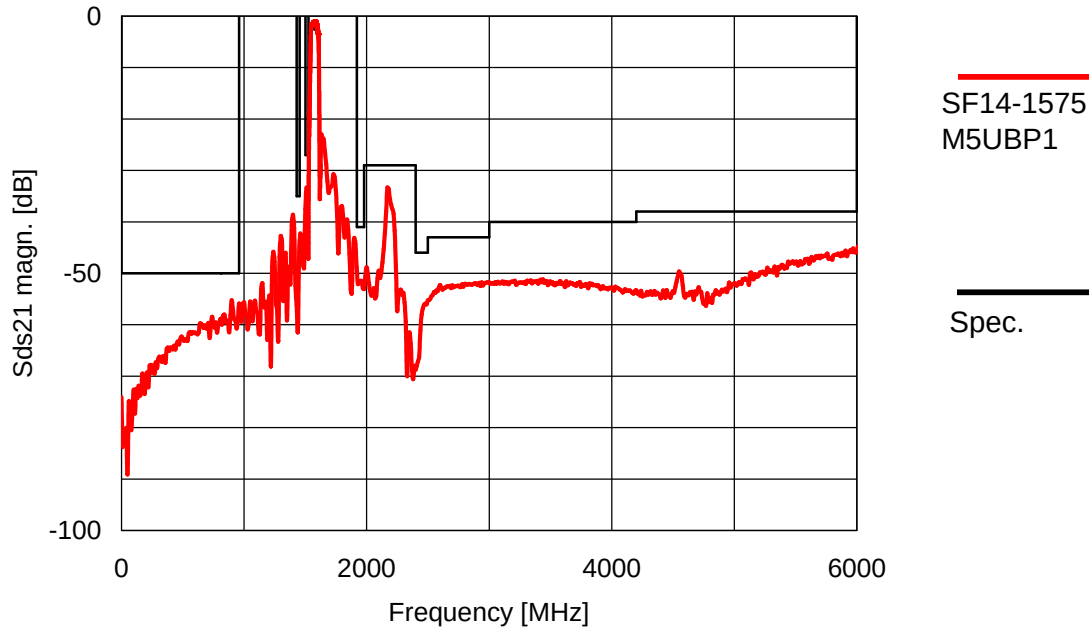
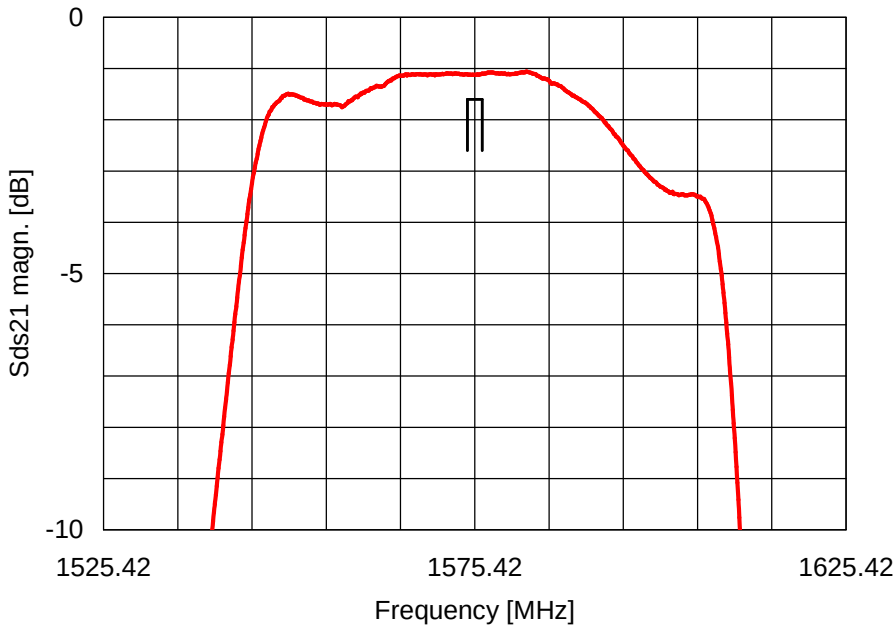
Pin No.	Function
(1)	Input
(2)	GND
(3)	Output
(4)	Output
(5)	GND

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	5,000Hours, Ta=50 deg.C
Nominal Input Impedance	50			ohm	Unbalance
Nominal Output Impedance	100			ohm	Balance

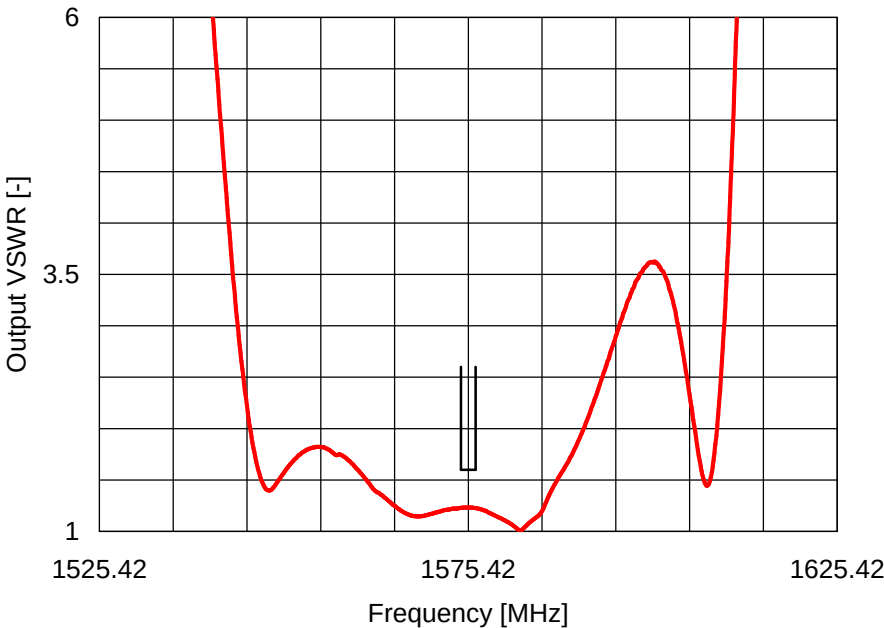
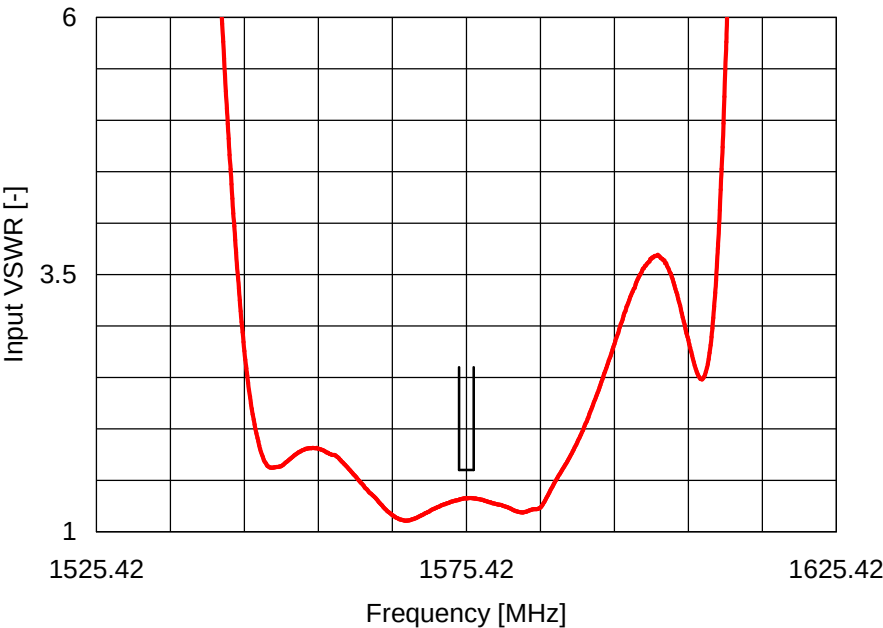
Characteristic table

Items	Frequency [MHz]	Specification			Unit
		min.	typ.	max.	
Nominal Center Frequency	-	1575.42			MHz
Insertion Loss	1574.42 to 1576.42	-	1.1	1.6	dB
Ripple (peak to peak)	1574.42 to 1576.42	-	0.01	1.0	dB
Input VSWR	1574.42 to 1576.42	-	1.1	1.6	-
Output VSWR	1574.42 to 1576.42	-	1.1	1.6	-
Absolute Attenuation	10 to 810	50	57	-	dB
	810 to 960	50	55	-	dB
	1429 to 1453	35	44	-	dB
	1501 to 1525	27	32	-	dB
	1920 to 1980	41	49	-	dB
	1980 to 2400	29	33	-	dB
	2400 to 2500	46	54	-	dB
	2500 to 3000	43	50	-	dB
	3000 to 4200	40	49	-	dB
	4200 to 6000	38	47	-	dB
Amplitude Imbalance	1574.42 to 1576.42	-1.4	0.3	+1.4	dB
Phase Imbalance	1574.42 to 1576.42	-8.0	2.0	+8.0	dB

Typical Curve Data

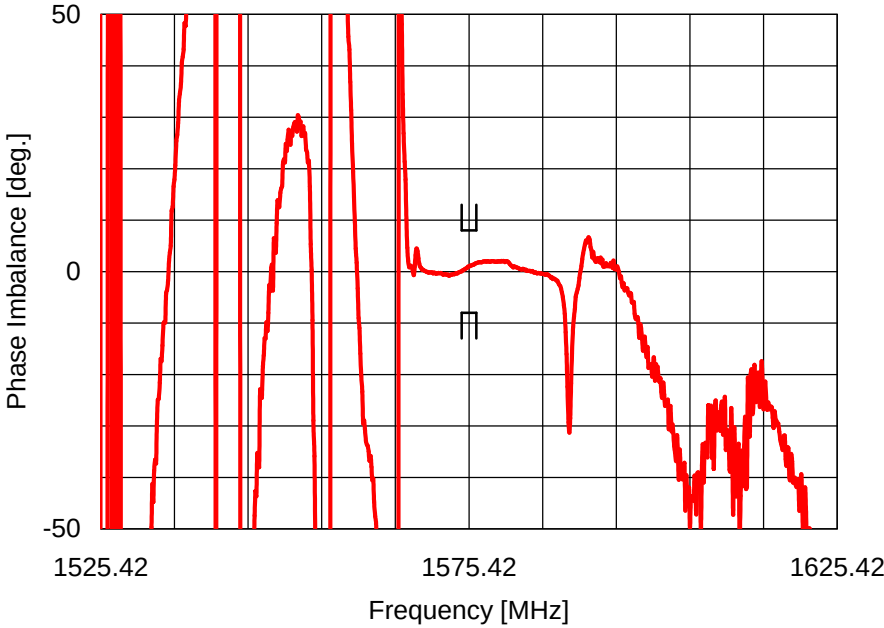
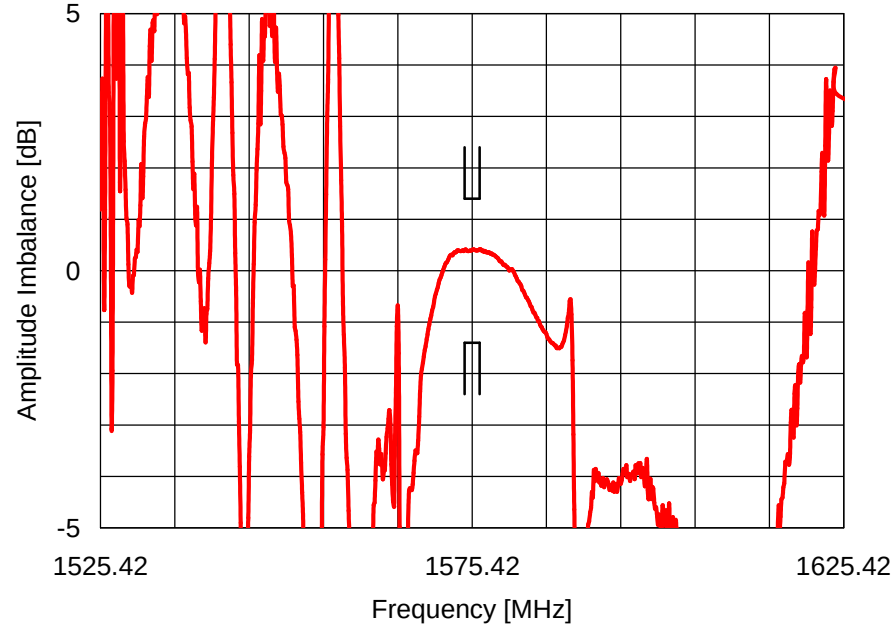


Typical Curve Data



SF14-1575
M5UBP1

Spec.



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