

**KYOCERA SAW Filter**  
**- GNSS -**  
**Type Name : SF14-1582M5UUT1**

May, 31, 2024

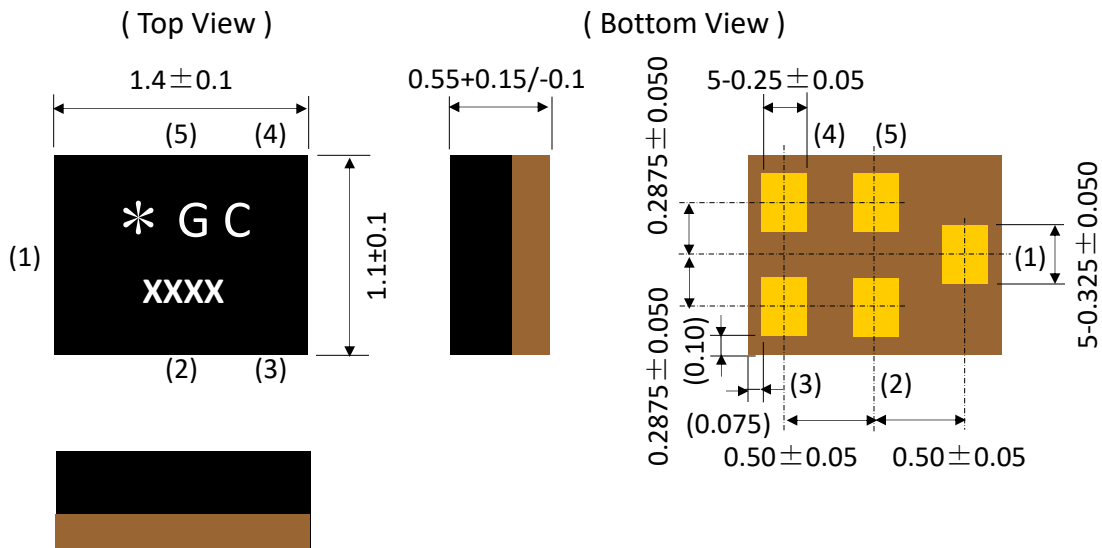
KYOCERA Corporation

Corporate Electronic Components Group

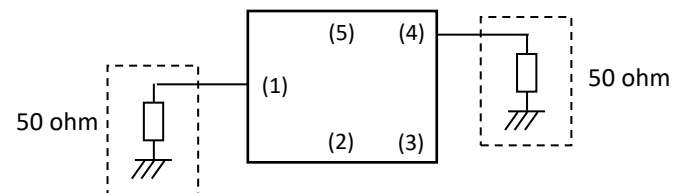
Electronic Devices Division

# Dimensions & Test Circuit of SAW Filter

## ■ Dimensions



## ■ Test Circuit



### Pin allocation

- \* : Identification mark
- GC : Identification no.
- XXXX : Production code

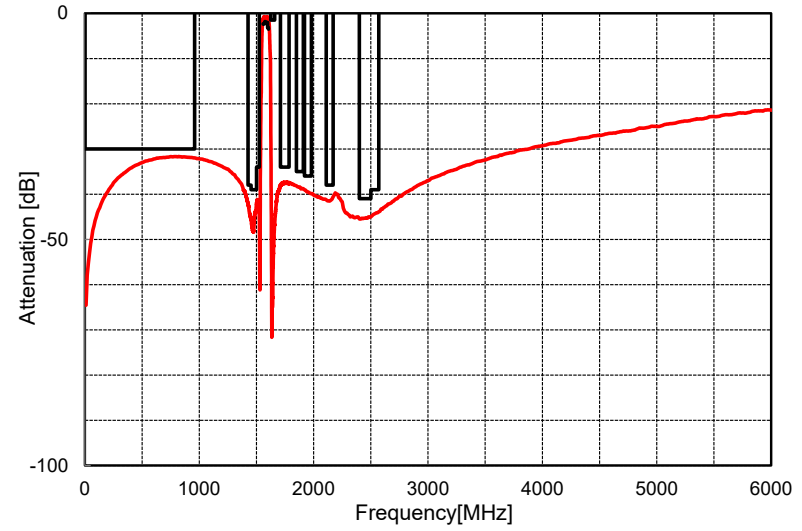
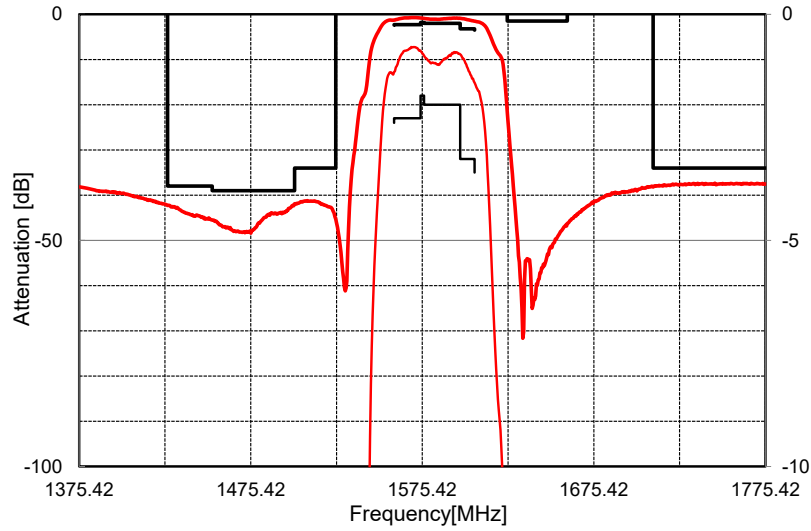
Pin No.	Function
(1)	Input
(2)	GND
(3)	GND
(4)	Output
(5)	GND

Items	Rating	Unit	Note
Operating Temperature Range	-40 to +105	deg.C	
Storage Temperature Range	-40 to +105	deg.C	
Max Input Power	+12	dBm	
Nominal Input Impedance	50	ohm	Unbalance
Nominal Output Impedance	50	ohm	Unbalance

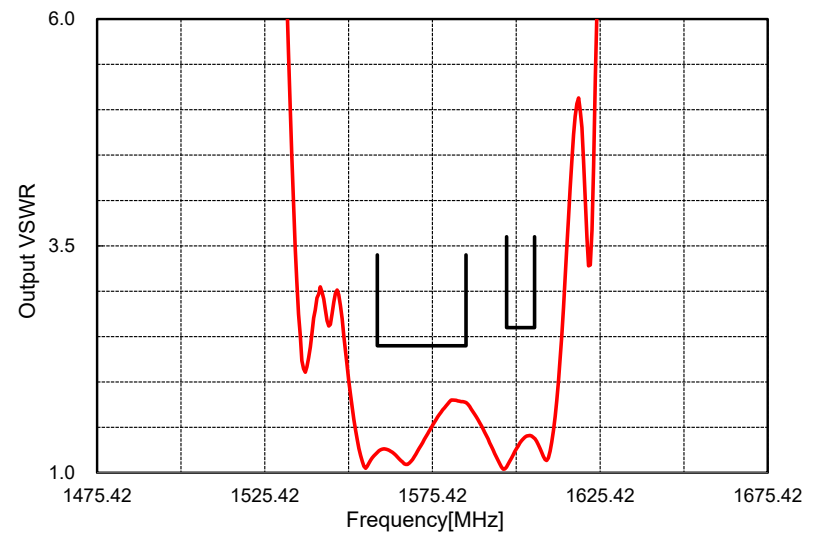
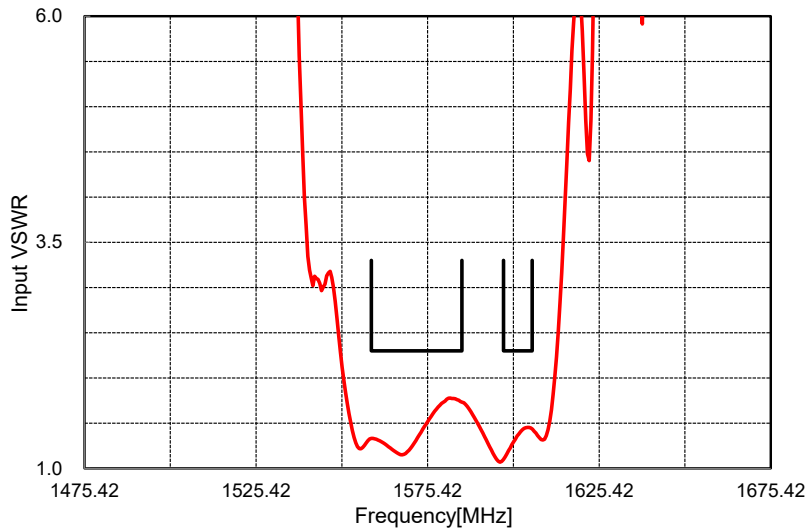
# Characteristic table

Items	Frequency [MHz]	Specification			Unit	Note
		min.	typ.	max.		
Nominal Center Frequency	-	1582			MHz	
Insertion Loss	1559.00 to 1574.42	-	1.2	1.8	dB	0 to +85deg.C
				2.2	dB	-30 to +85deg.C
				2.3	dB	
	1574.42 to 1576.42	-	0.7	1.8	dB	
	1576.42 to 1597.55	-	1.0	2.0	dB	
	1597.55 to 1605.89	-	1.2	3.2	dB	
Input VSWR	1559.00 to 1585.42	-	1.8	2.3	-	
	1597.55 to 1605.89	-	1.4	2.3	-	
Output VSWR	1559.00 to 1585.42	-	1.8	2.4	-	
	1597.55 to 1605.89	-	1.4	2.6	-	
Absolute Attenuation	1 to 925	30	32	-	dB	
	925 to 960	30	32	-	dB	
	1427 to 1453	38	41	-	dB	
	1453 to 1501	39	44	-	dB	
	1501 to 1525	34	42	-	dB	
	1626 to 1660	1.5	14	-	dB	
	1660 to 1710	34	38	-	dB	
	1710 to 1785	34	37	-	dB	
	1850 to 1910	35	38	-	dB	
	1920 to 1980	36	39	-	dB	
	2110 to 2170	38	41	-	dB	
	2400 to 2500	41	45	-	dB	
	2500 to 2570	39	45	-	dB	

# Typical Curve Data



— SF14-1582  
— M5UUT1  
— Measured  
— Data  
— Spec.



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