

Document No. : SXC12366-00

# **KYOCERA SAW Filter**

## **- GNSS -**

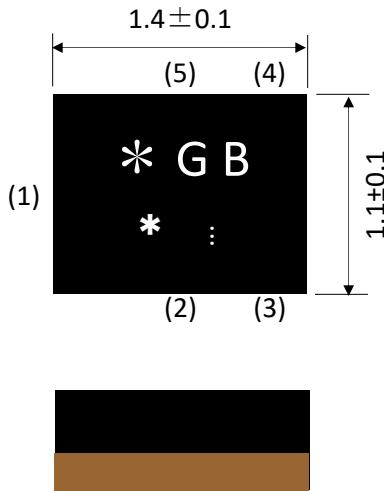
**Type Name : SF14-1582M5UUS1**

May, 28, 2024

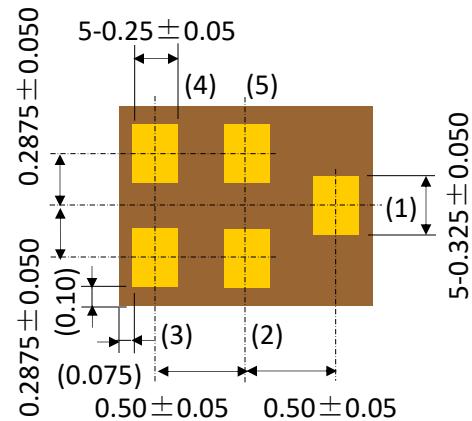
KYOCERA Corporation  
Corporate Electronic Devices Group  
Electronic Devices Division

## Dimensions

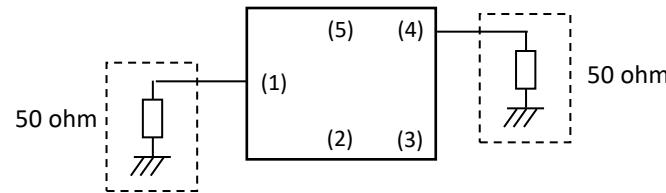
( Top View )



( Bottom View )



## Test Circuit



Unit	: mm
*	: Identification mark
GB	: Identification No.
*	: Monthly Code
...	: Index mark of ten days

Pin allocation

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

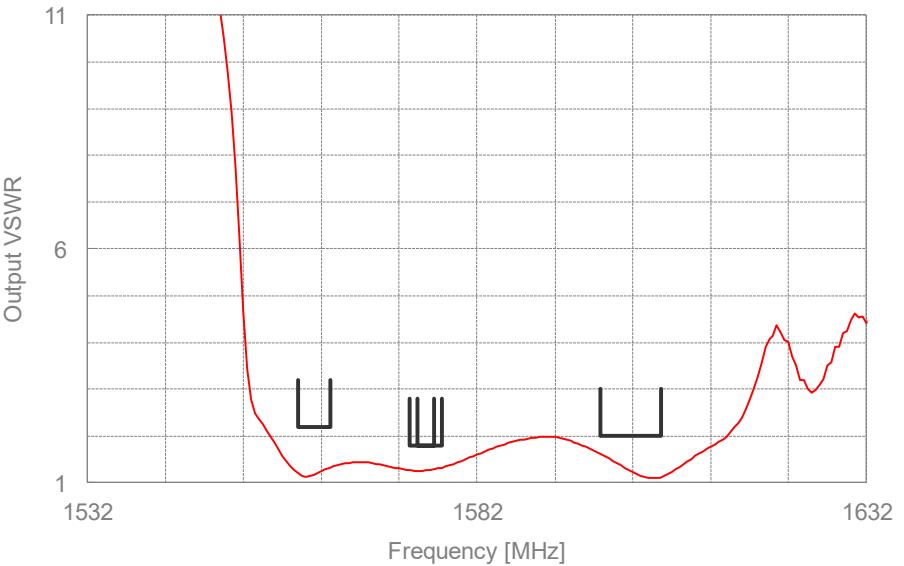
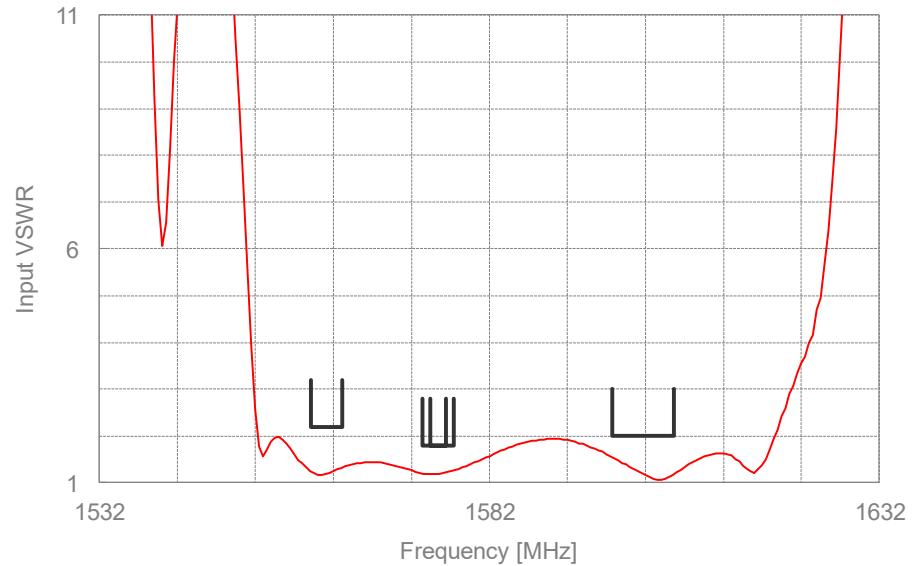
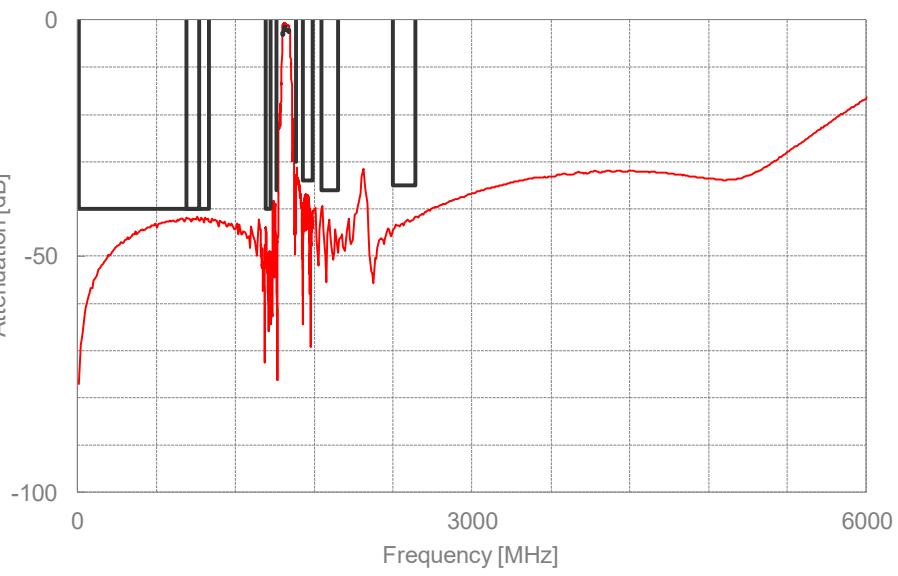
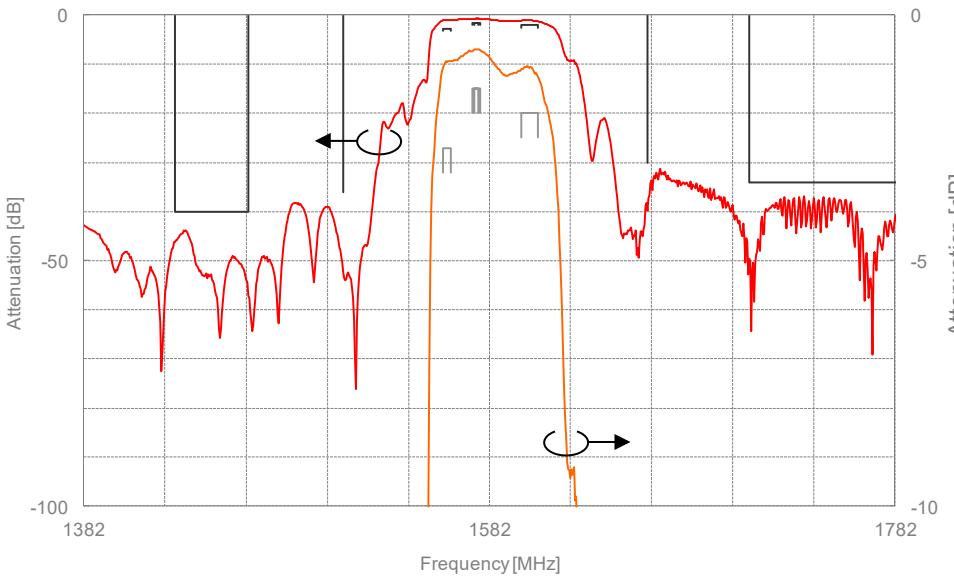
## Rating

Items	Specification			Unit	Note
	min.	typ.	max.		
Operating Temperature Range	-40 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	Note
			min.	typ.	max.		
Nominal Center Frequency	-		1582			MHz	
Insertion Loss	1574.39	to	1576.45	-	0.9	1.5	dB
	1597.78	to	1605.66	-	1.4	2.0	dB
	1559.05	to	1563.15	-	1.4	2.8	dB
						2.7	-40 to +85°C
Input VSWR	1573.37	to	1577.47	-	0.9	1.5	dB
	1574.39	to	1576.45	-	1.2	1.8	-
	1597.78	to	1605.66		1.5	2.0	-
	1559.05	to	1563.15		1.4	2.2	-
Output VSWR	1573.37	to	1577.47		1.3	1.8	-
	1574.39	to	1576.45	-	1.2	1.8	-
	1597.78	to	1605.66		1.6	2.0	-
	1559.05	to	1563.15		1.3	2.3	-
Absolute Attenuation	10	to	1000	40	42	-	dB
	824	to	925	40	42	-	dB
	1427	to	1463	40	45	-	dB
	1510			36	49	-	dB
	1660			30	37	-	dB
	1710	to	1785	34	37	-	dB
	1850	to	1980	36	39	-	dB
	2400	to	2570	35	40	-	dB

# Typical Curve Data



# Notice

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