

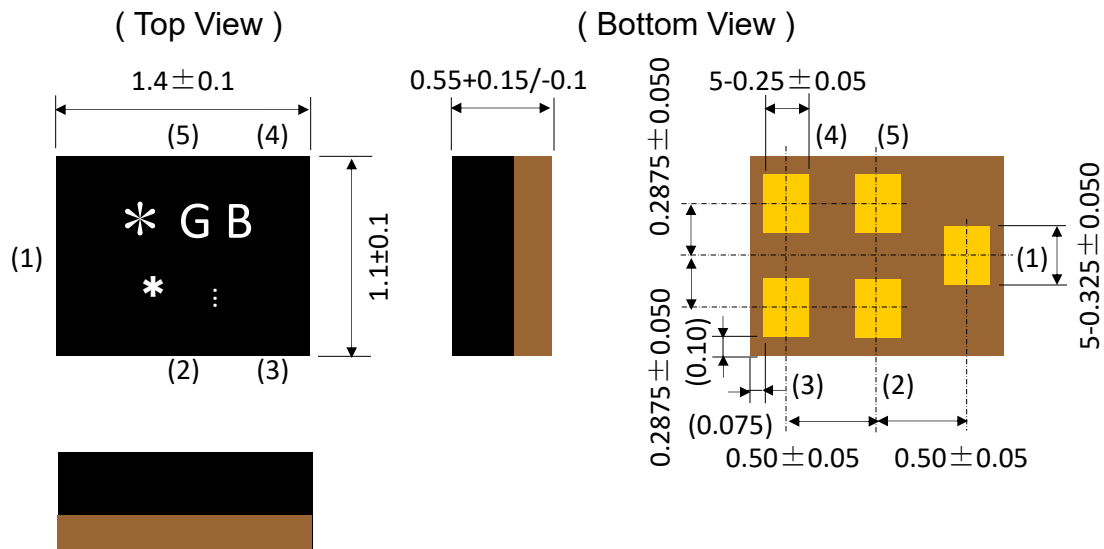
KYOCERA SAW Filter
- GNSS -
Type Name : SF14-1582M5UUS1

May, 28, 2024

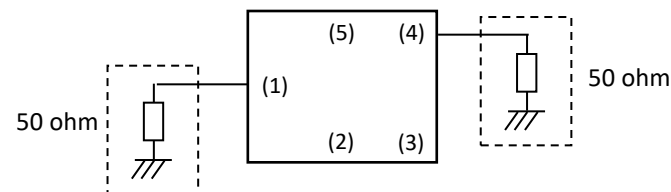
KYOCERA Corporation
Corporate Electronic Devices Group
Electronic Devices Division

Dimensions & Test Circuit of SAW Filter

■ Dimensions



■ 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

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

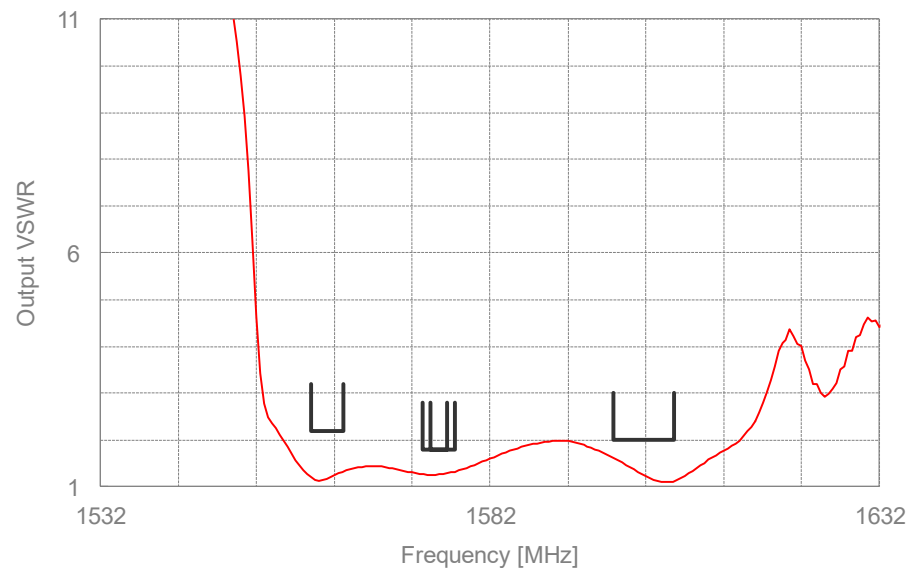
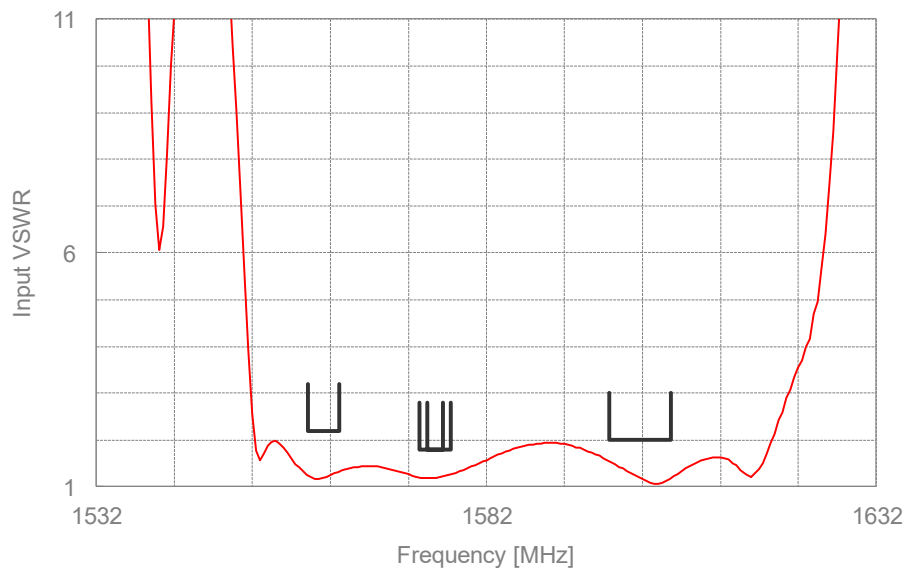
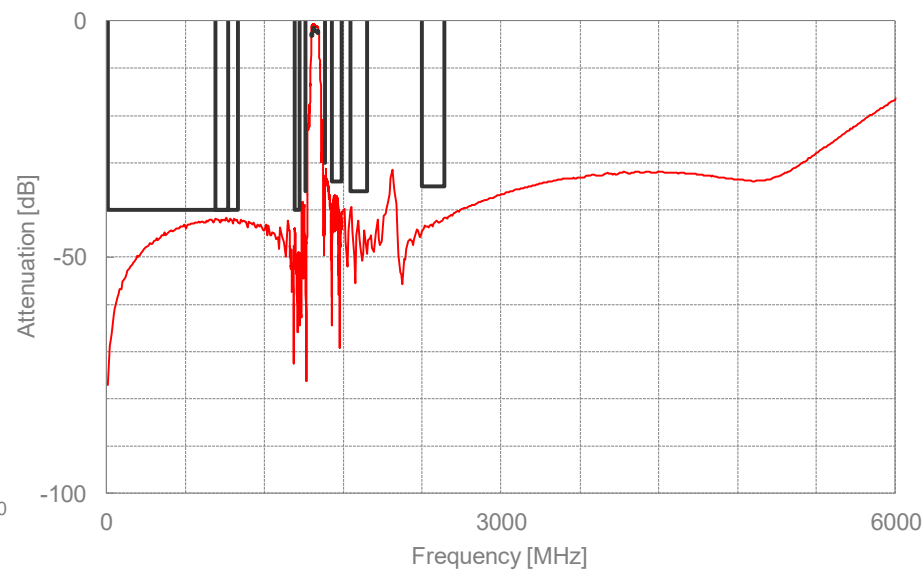
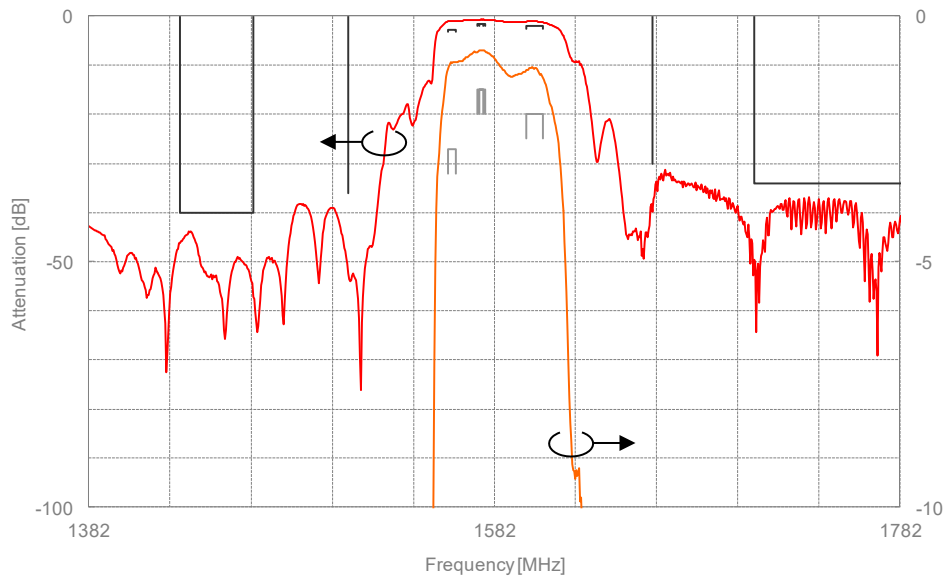
Characteristic table

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	-40 to +85°C
						2.7	dB	-30 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	1573.37	to	1577.47		1.3	1.8	-	
	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

SF14-1582M5UUS1

Spec.



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