KYOCERA SAW Filter

- GPS GLONASS BEIDOU -

Type Name : SF11-1582M5UUE1

Aug., 28, 2025

KYOCERA Corporation

Corporate Electronic Components Group

Electronic Devices Division

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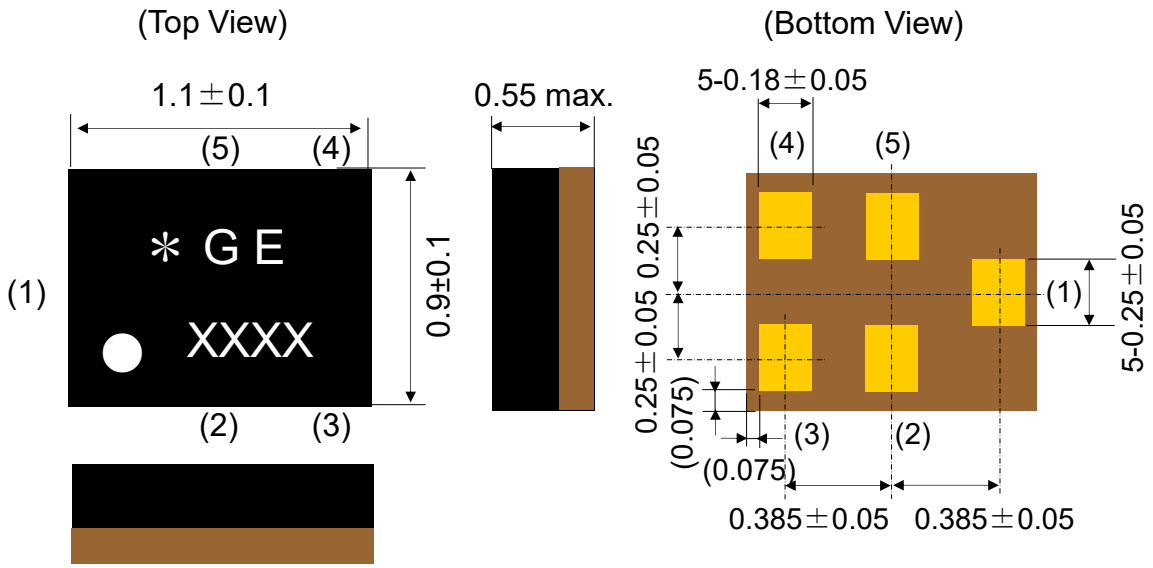
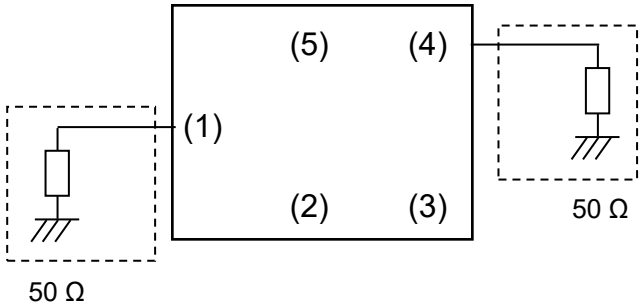
Dimensions & Test Circuit of SAW Filter

Dimensions



Test Circuit



Unit	:	mm
*	:	Identification mark
GE	:	Identification no.
●	:	Index mark of pin 1
XXXX	:	Production code

Pin allocation

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

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Rating

Items	Rating	Unit	Note
Operating Temperature Range	-40 to 85	deg.C	
Storage Temperature Range	-40 to 85	deg.C	
Max Input Power In Band	15	dBm	5,000Hours,Ta=50deg.C ,CW
Nominal Input Impedance	50	ohm	Unbalance
Nominal output Impedance	50	ohm	Unbalance
Size	1.1×0.9	mm	

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Characteristic table

Items	Frequency [MHz]			Unit	Kyocera Specification			Note
					min	typ	max	
Insertion Loss	1559.05	-	1563.15	dB	-	1.4	2.0	
	1574.39	-	1576.45	dB	-	1.1	1.4	
	1597.55	-	1605.89	dB	-	1.4	2.0	
VSWR (Input)	1559.05	-	1605.89	-	-	1.5	2.0	
VSWR (Output)	1559.05	-	1605.89	-	-	1.4	2.0	
GDR	1597.55	-	1605.89	ns	-	3.6	15	
Attenuation	10	-	699	dB	40	56	-	
	703	-	798	dB	45	55	-	
	814	-	915	dB	50	55	-	B26/ B8Tx
	1427	-	1463	dB	45	65	-	B11/ B21
	1710	-	1797	dB	50	56	-	B3Tx, Average any 5MHz
	1850	-	1980	dB	45	53	-	B2Tx
	2010	-	2570	dB	40	49	-	B34Tx/ B30Tx/ 2.4G ISM/ B7Tx
	3300	-	4200	dB	30	45	-	N78/ N77
	4400	-	5000	dB	27	43	-	N79
	5150	-	5950	dB	25	45	-	5G ISM

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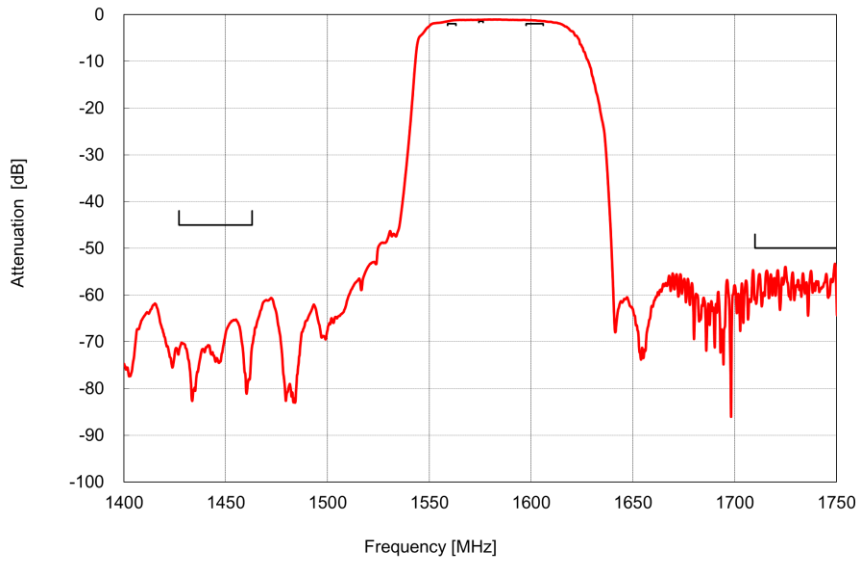
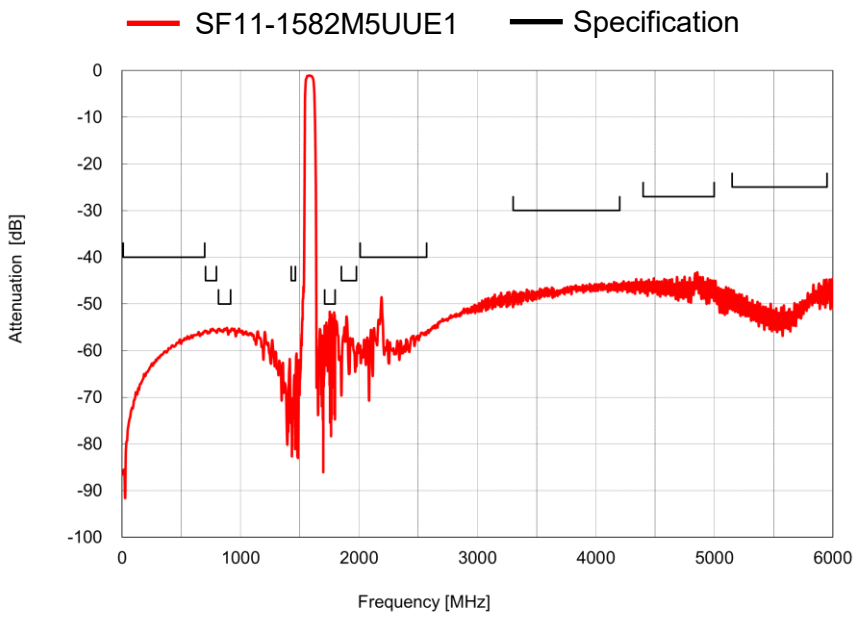
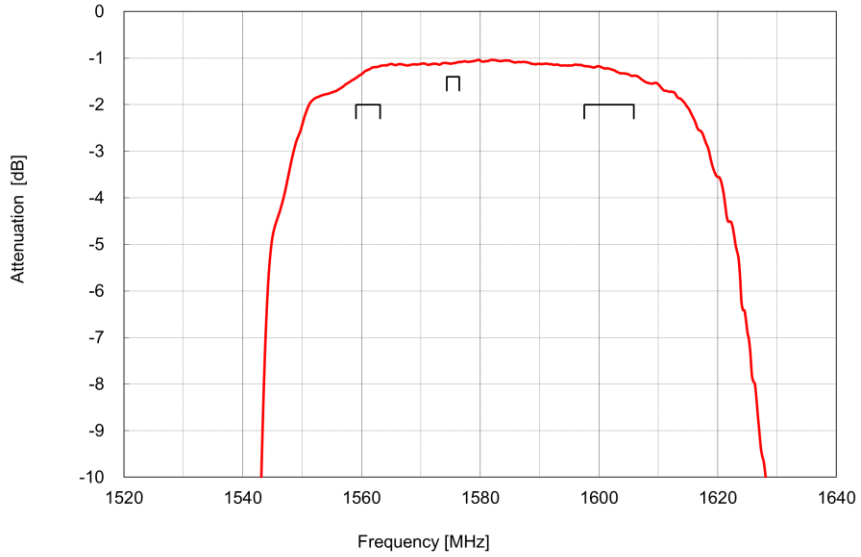
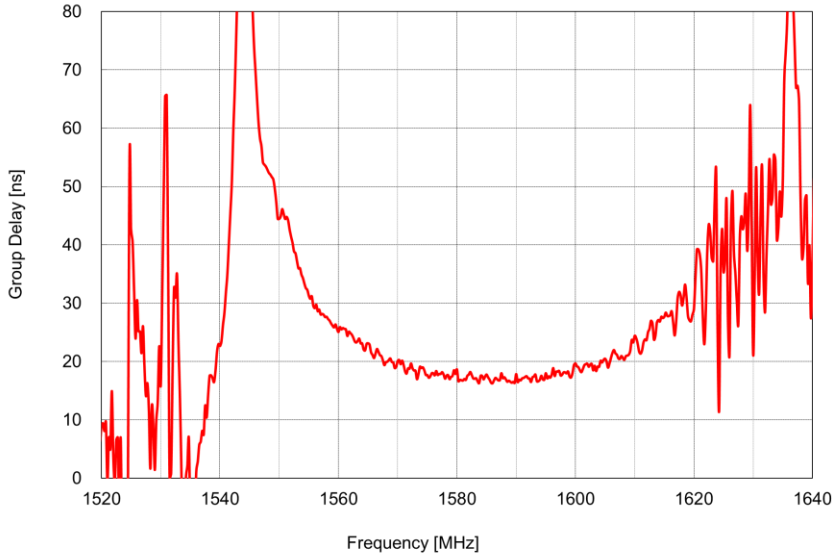
Curve Data









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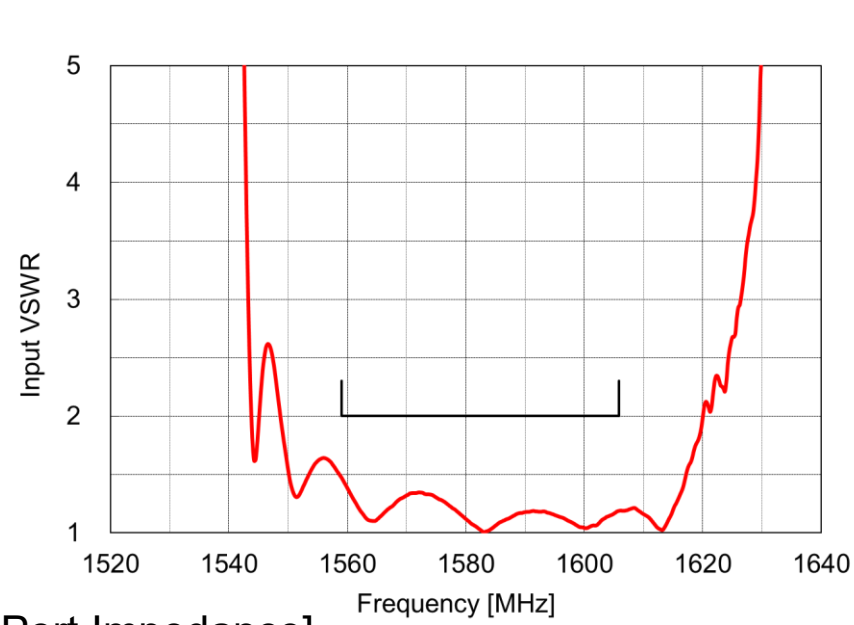
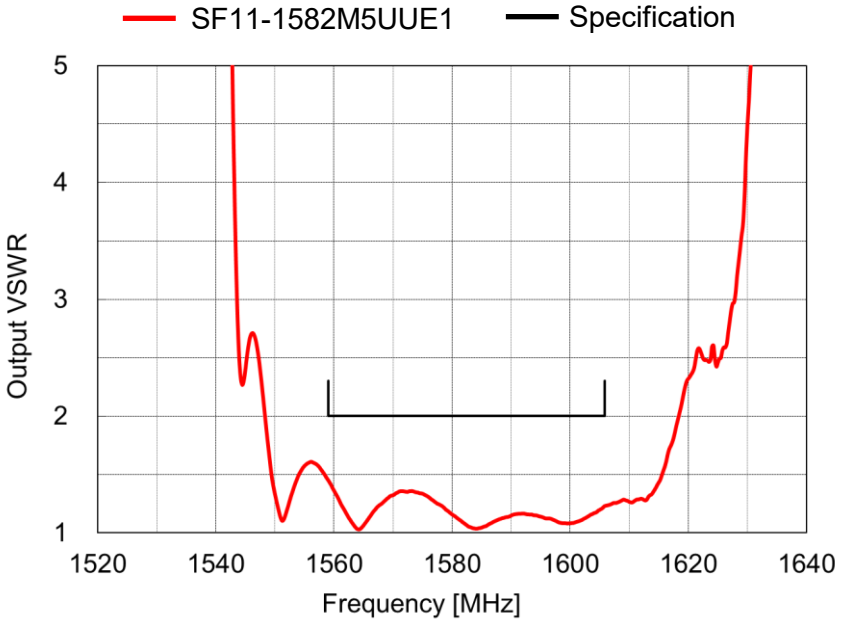
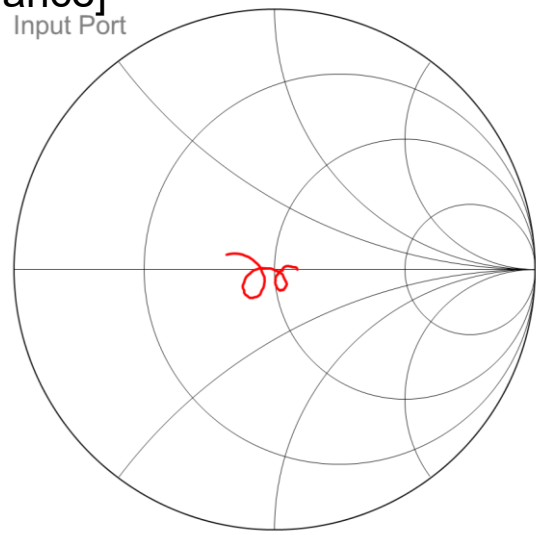
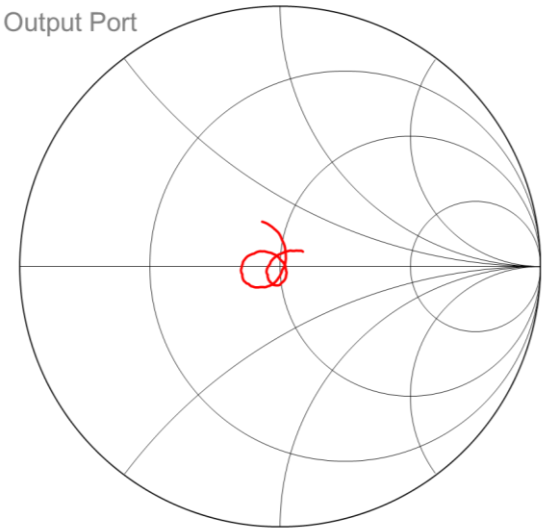
Curve Data





[Port Impedance]





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