

Datasheet of SAW Filter

1109 GNSS

For GPS(L1) _GLONASS(G1) _BEIDOU(B1)

Co-ex. n255

AEC-Q200 Grade2

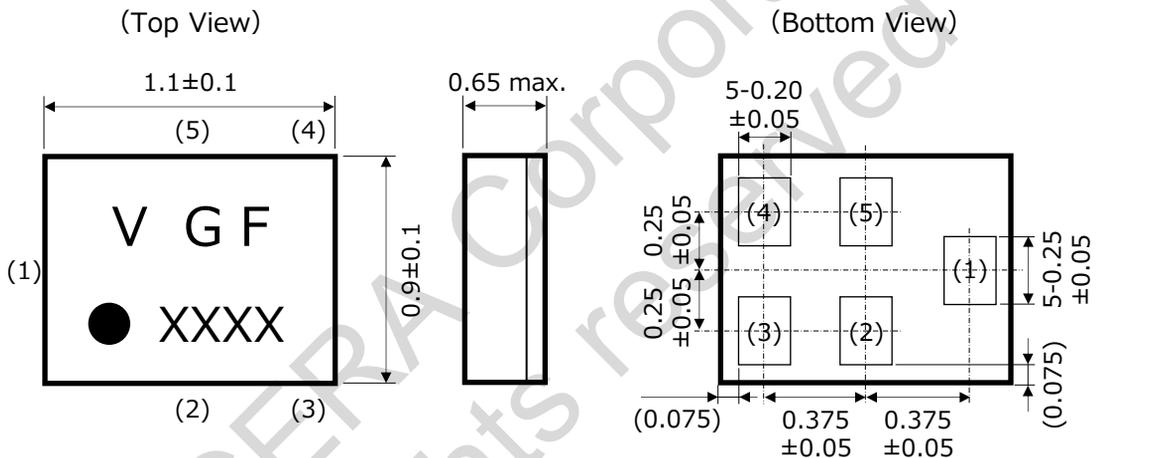
KYOCERA Part No. : VF11-1582M5UUF1

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Rating

Items	Rating	Unit	Note
Operating Temperature Range	-40 to 105	deg.C	
Storage Temperature Range	-40 to 105	deg.C	
Max Input Power In Band	15	dBm	5,000Hours, Ta=50deg.C, CW
ESD Level Human Body Model	100	Volt	Complied to JESD22-A114
Nominal Input Impedance	50 + 3.9nH	ohm	Unbalance
Nominal output Impedance	50 + 1.2nH	ohm	Unbalance
AEC-Q200	Grade2		Complied to AEC-Q200

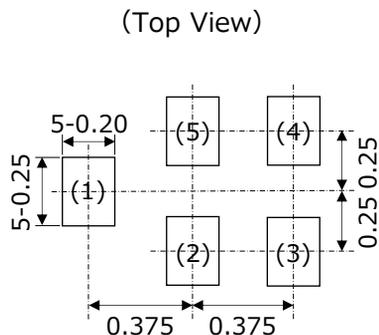
Dimensions



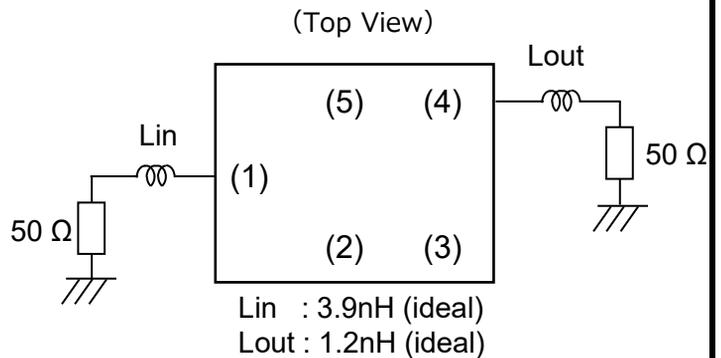
- V : Identification mark
- GF : Identification no.
- : Index mark of pin 1
- XXXX : Production code

Pin No.	Function
(1)	Input
(4)	Output
Others	GND

Recommendable Land Pattern



Measurement Circuit

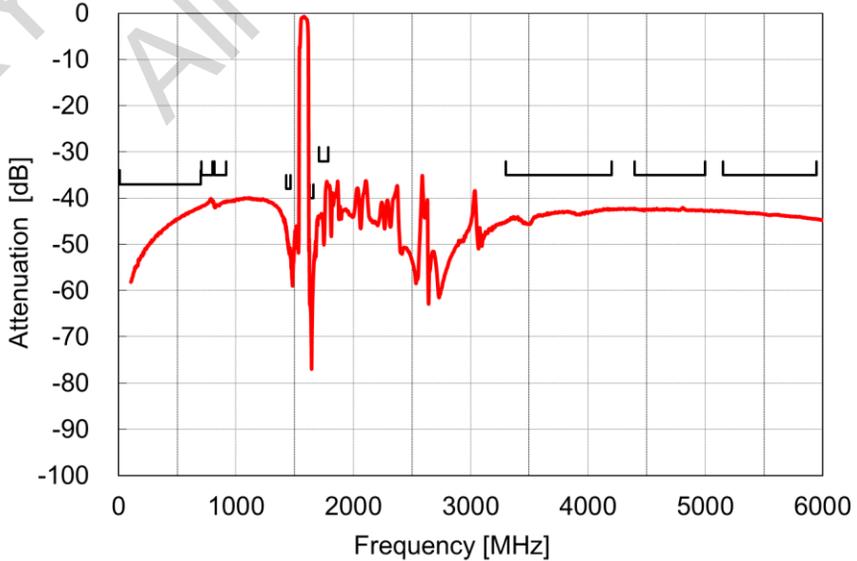
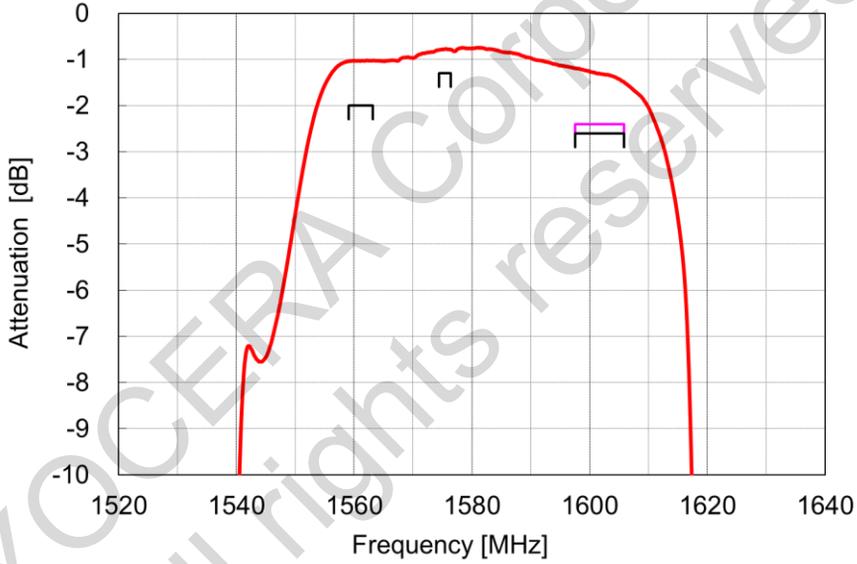
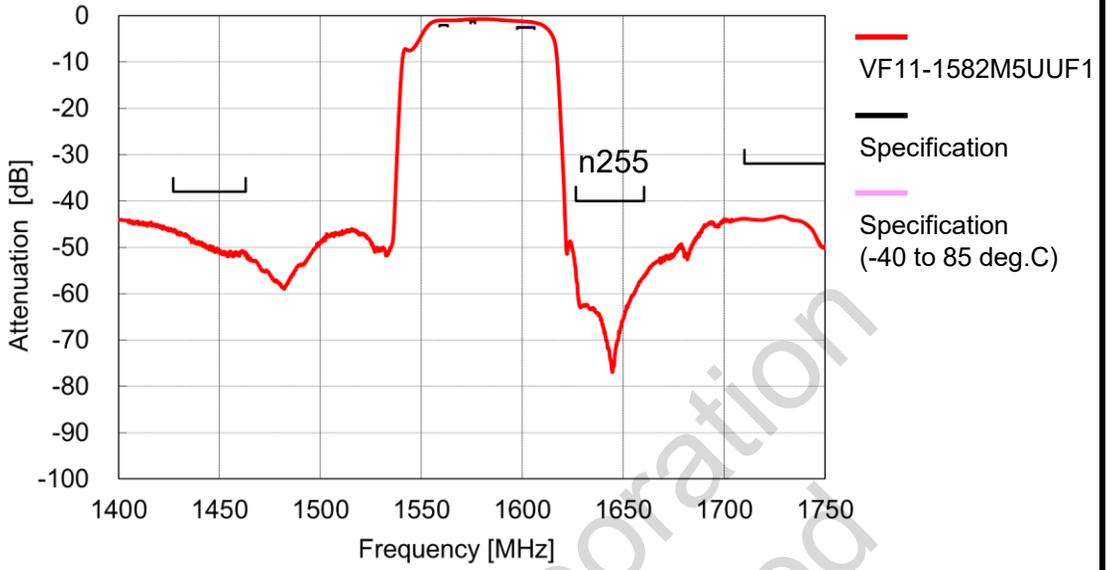


Electrical Characteristics

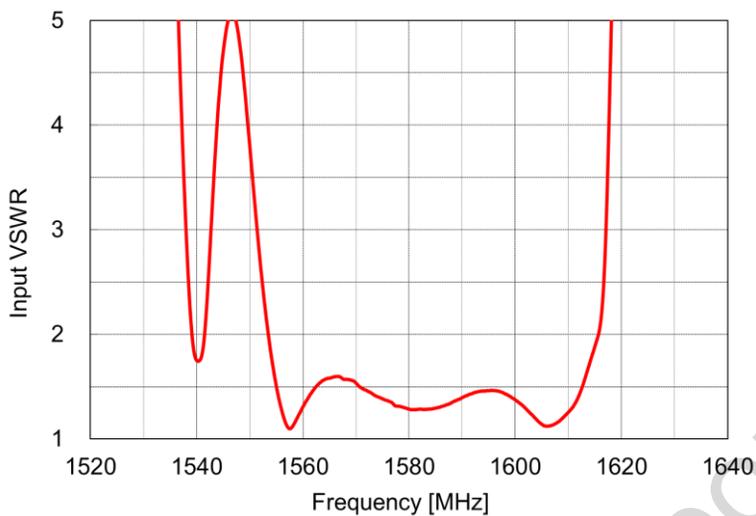
Items	Frequency [MHz]	Unit	Kyocera Specification			Note
			min	typ	max	
Insertion Loss	1559.05 - 1563.15	dB	-	1.0	2.0	
	1574.39 - 1576.45	dB	-	0.8	1.3	
	1597.55 - 1605.89	dB	-	1.5	2.4	-40 to 85°C
	1597.55 - 1605.89	dB	-	1.5	2.6	85 to 105°C
Attenuation	10 - 699	dB	37	42	-	
	703 - 798	dB	35	40	-	
	814 - 915	dB	35	41	-	B26/ B8Tx
	1427 - 1463	dB	38	46	-	B11/ B21
	1626.5 - 1660.5	dB	40	55	-	n255
	1710 - 1785	dB	32	37	-	B3Tx
	3300 - 4200	dB	35	42	-	N78/ N77
	4400 - 5000	dB	35	42	-	N79
5150 - 5950	dB	35	43	-	5G ISM	

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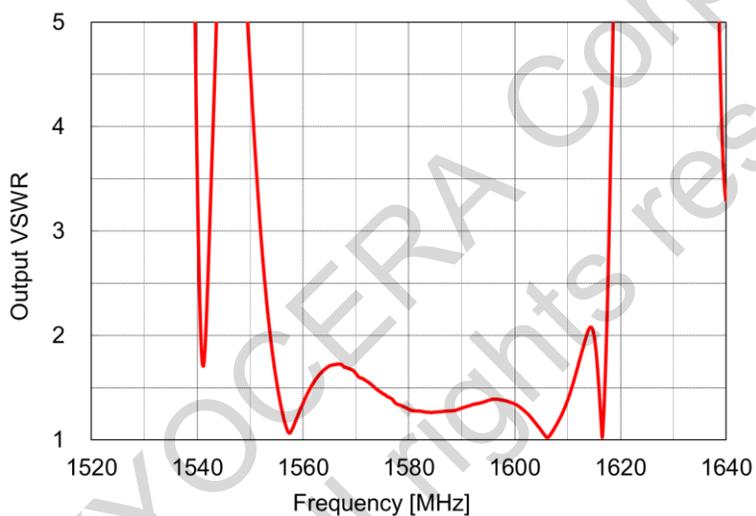
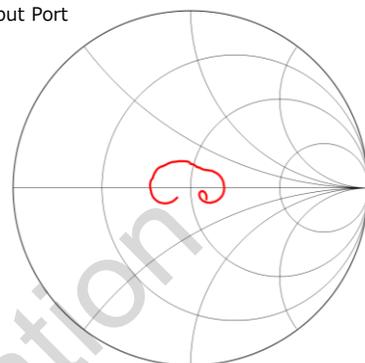
Electrical Characteristics



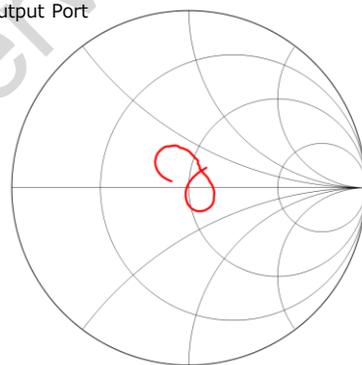
Electrical Characteristics



Input Port

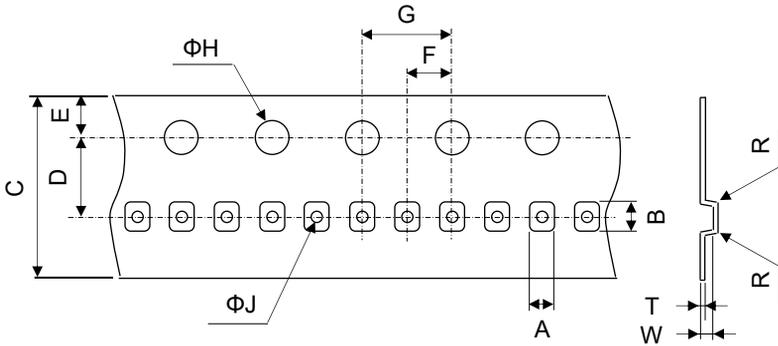


Output Port



Tape & Reel Specification

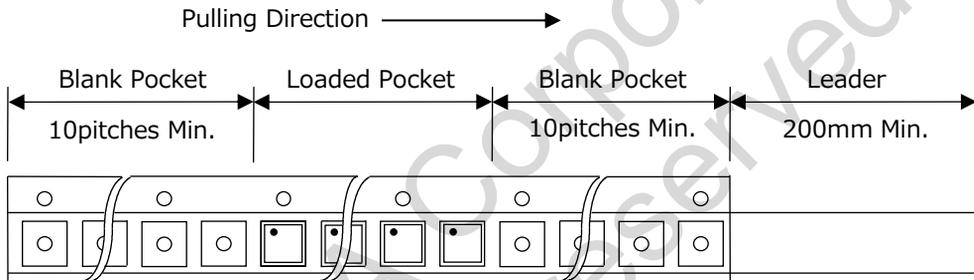
[Tape]



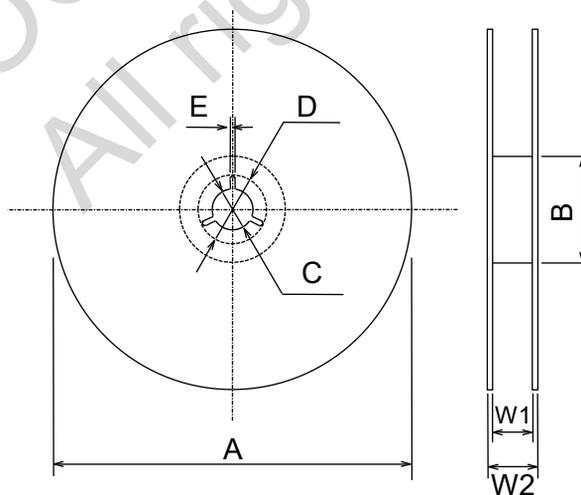
Unit : mm

Part	Dimension
A	1.1±0.05
B	1.3±0.05
C	8.0±0.1
D	3.5±0.05
E	1.75±0.1
F	2.0±0.05
G	4.0±0.05
φH	1.5+0.1/-0
φJ	0.50±0.05
R	0.1 Max
W	0.60±0.05
T	0.20+0.03/-0.02

W : Dimension is depth of pockets.



[Reel]



Part	A	B	C	D	Unit : mm
Dimension	180 +0/-1.5	60 +1.0/-0	13 ± 0.2	21 ± 0.8	
Part	E	W1	W2		
Dimension	2 ± 0.5	9.0 +1.0/-0	11.4 ± 1.0		

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