

Datasheet of SAW Filter

1109 GNSS

For GPS(L6) _GALILEO(E6) _BEIDOU(B3)

AEC-Q200 Grade2

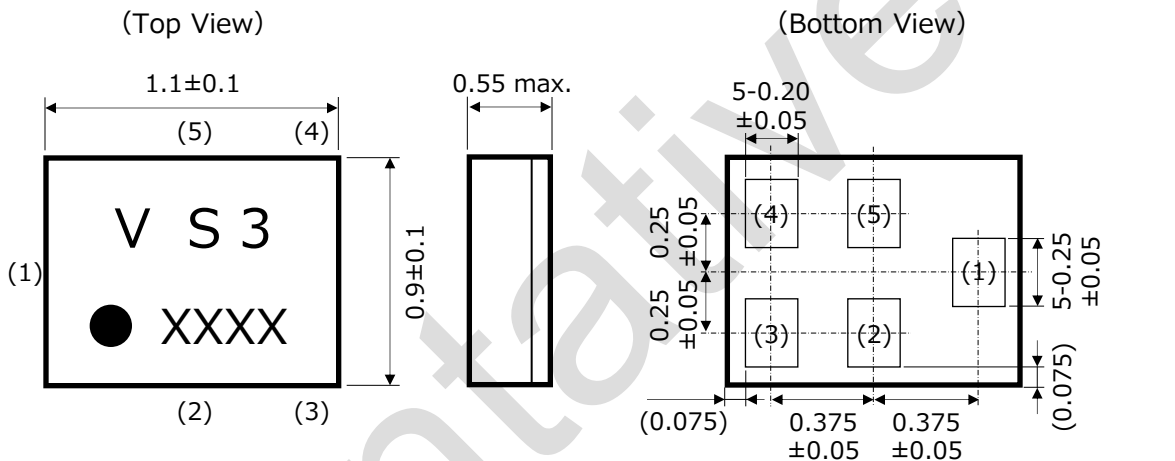
KYOCERA Part No. : VF11-1279M5UUA1

< Note > This specification may be subject to change.

Rating

Items	Rating	Unit	Note	
Operating Temperature Range	-40 to 105	deg.C		
Storage Temperature Range	-40 to 105	deg.C		
Max Input Power	Input port	15	dBm	5,000Hours,CW,Ta=50deg.C
ESD Level	Human Body Model	100	Volt	Complied to JESD22-A114
Input Port Nominal Impedance		50 //8.2nH	ohm	Unbalance
Output Port Nominal Impedance		50 //8.2nH	ohm	Unbalance
AEC-Q200	Grade2			Complied to AEC-Q200

Dimensions

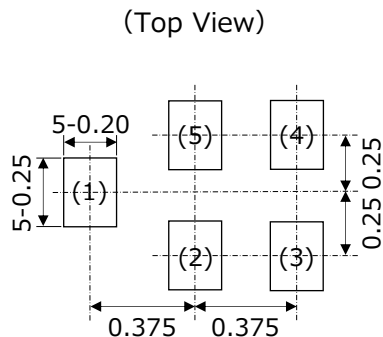


- V : Identification mark
- S3 : Identification no.
- : Index mark of pin 1
- XXXX : Production code

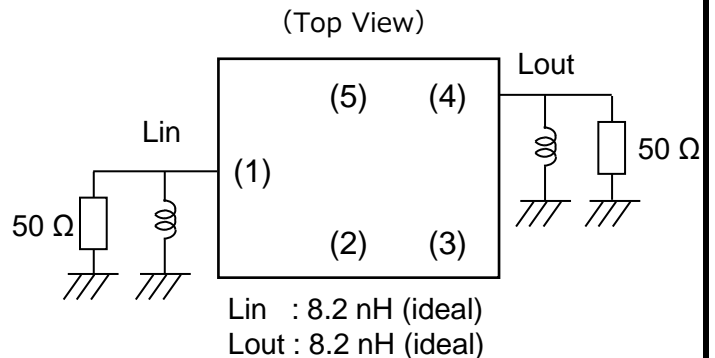
Unit : mm

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

Recommendable Land Pattern



Measurement Circuit



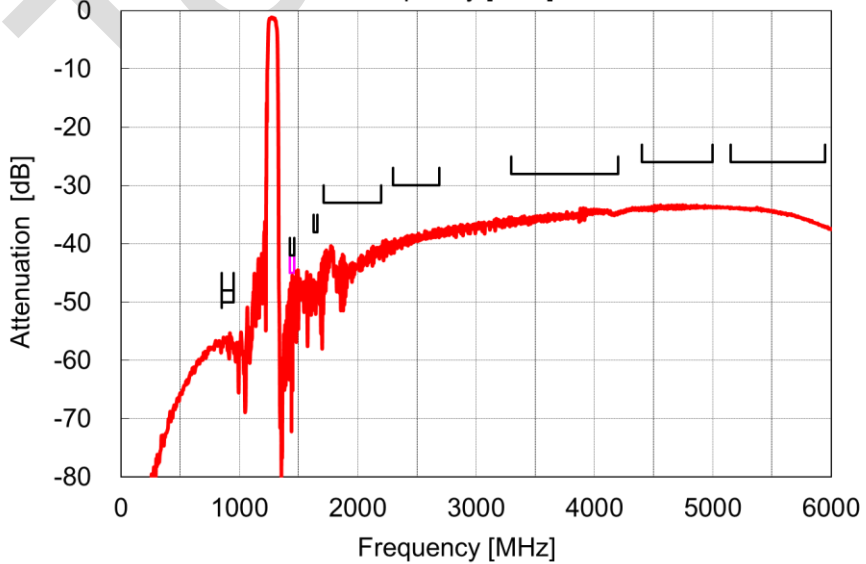
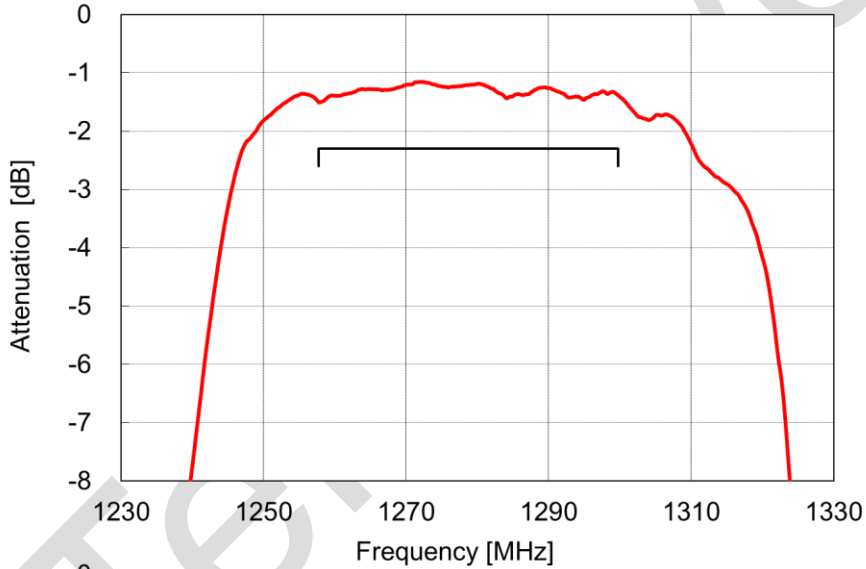
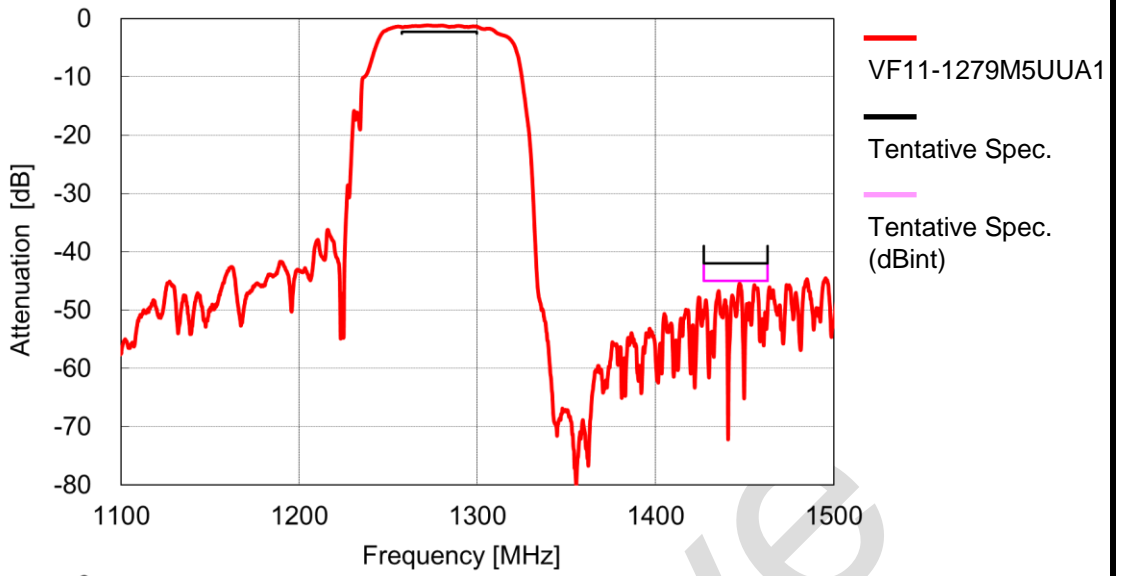
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Electrical Characteristics

Items	Frequency[MHz]	Unit	Kyocera Tentative Spec.			Note	
			min	typ	max		
Insertion Loss	1257.75 - 1299.75	dB	-	1.3	2.3		
GDT Ripple Deviation	1257.75 - 1299.75	ns	-	8	25		
VSWR	Input	1257.75 - 1299.75	-	-	1.3	2.2	
	Output	1257.75 - 1299.75	-	-	1.3	2.2	
Attenuation	650 - 850	dB	51	56	-		
	850 - 950	dB	48	55	-		
	850 - 950	dB _{INT}	50	56	-	any5MHz	
	1427 - 1463	dB	42	46	-		
	1427 - 1463	dB _{INT}	45	48	-	any5MHz	
	1626 - 1661	dB	38	47	-		
	1710 - 2200	dB	33	41	-		
	2300 - 2690	dB	30	37	-		
	3300 - 4200	dB	28	34	-		
	4400 - 5000	dB	26	33	-		
5150 - 5950	dB	26	34	-			

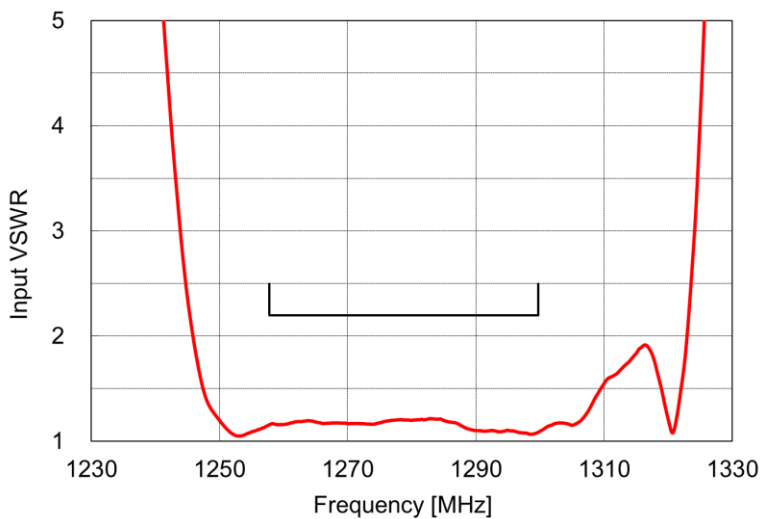
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Electrical Characteristics

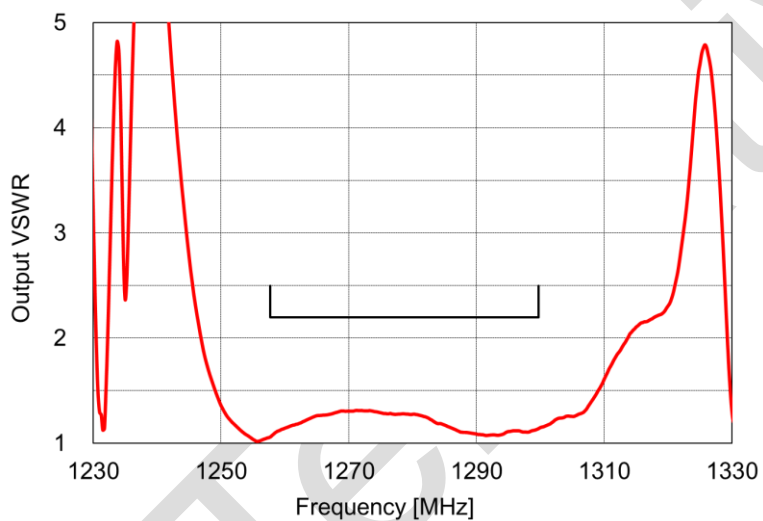
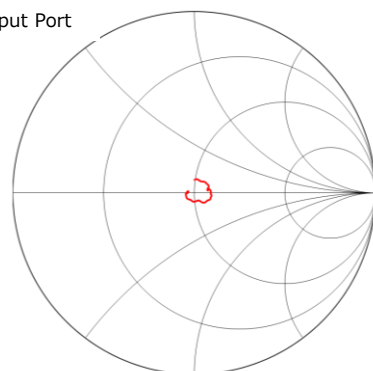


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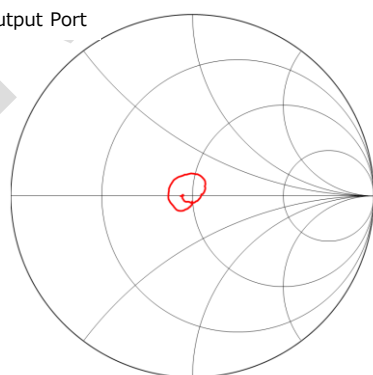
Electrical Characteristics



Input Port



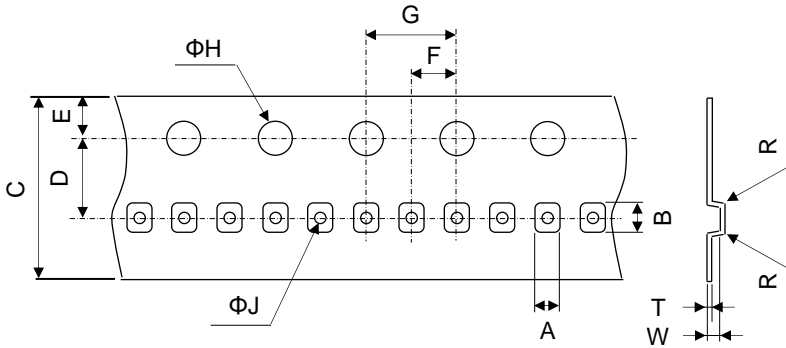
Output Port



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Tape & Reel Specification

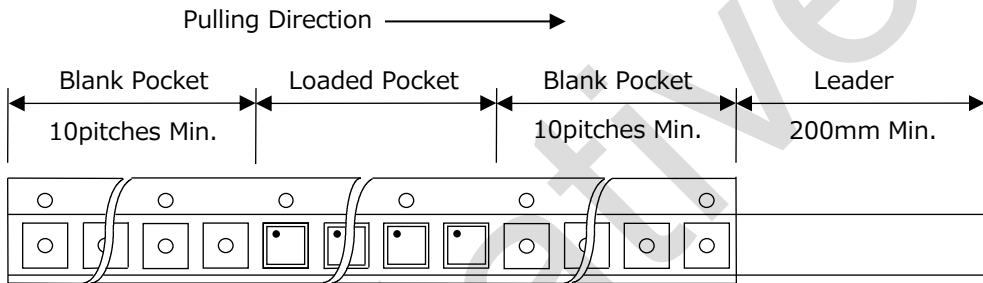
[Tape]



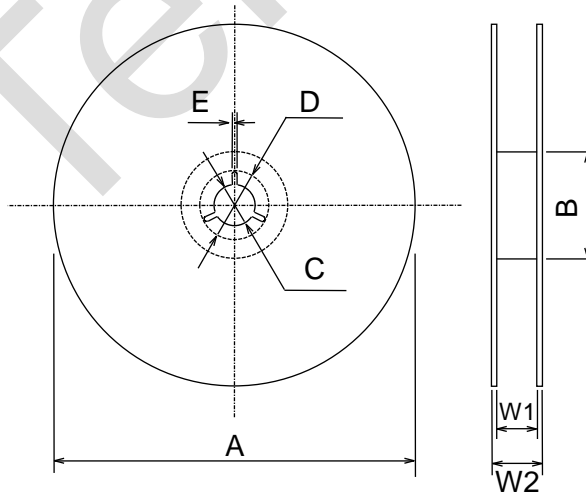
Unit : mm

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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