

Datasheet of SAW Filter

1411 GPS

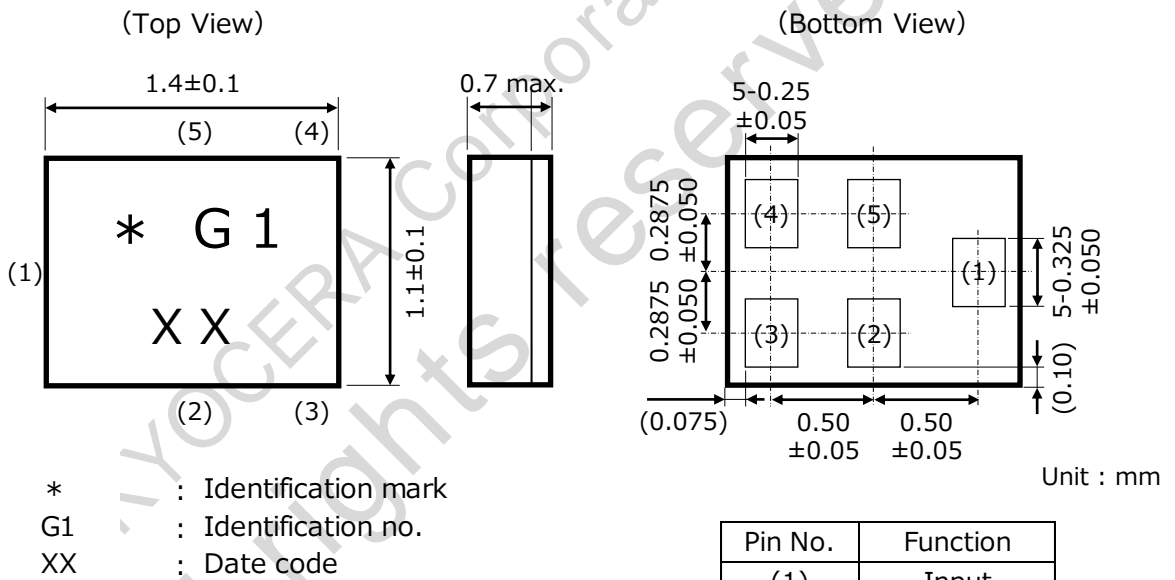
KYOCERA Part No. : SF14-1575F5UUP1

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Rating

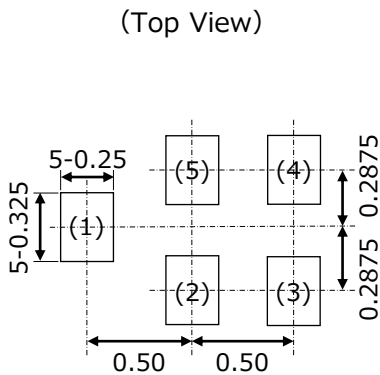
Items	Rating	Unit	Note
Operating Temperature Range	-30 to +85	deg.C	
Storage Temperature Range	-40 to +85	deg.C	
Max Input Power	+12	dBm	5,000Hours, Ta=50deg.C, CW
Input Port Nominal Impedance	50	ohm	Unbalance
Output Port Nominal Impedance	50	ohm	Unbalance

Dimensions

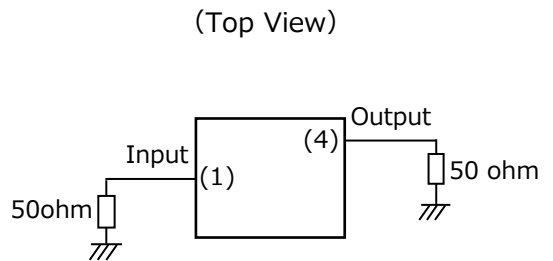


Pin No.	Function
(1)	Input
(4)	Output
Others	GND

Recommendable Land Pattern



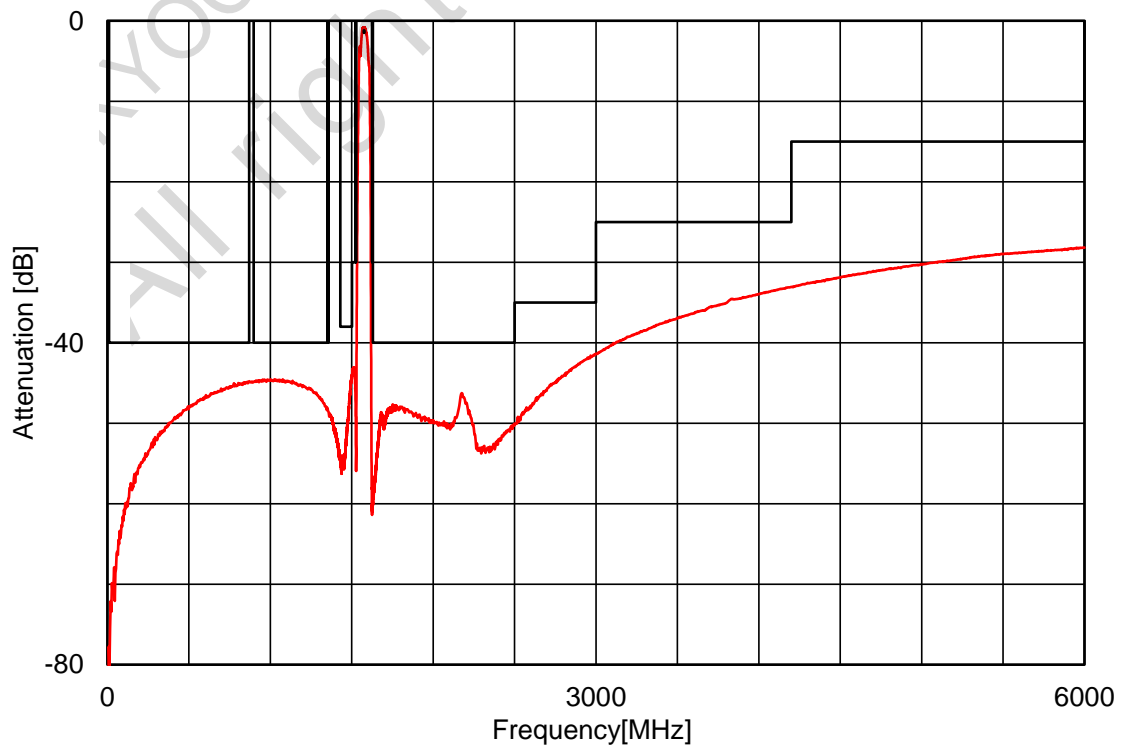
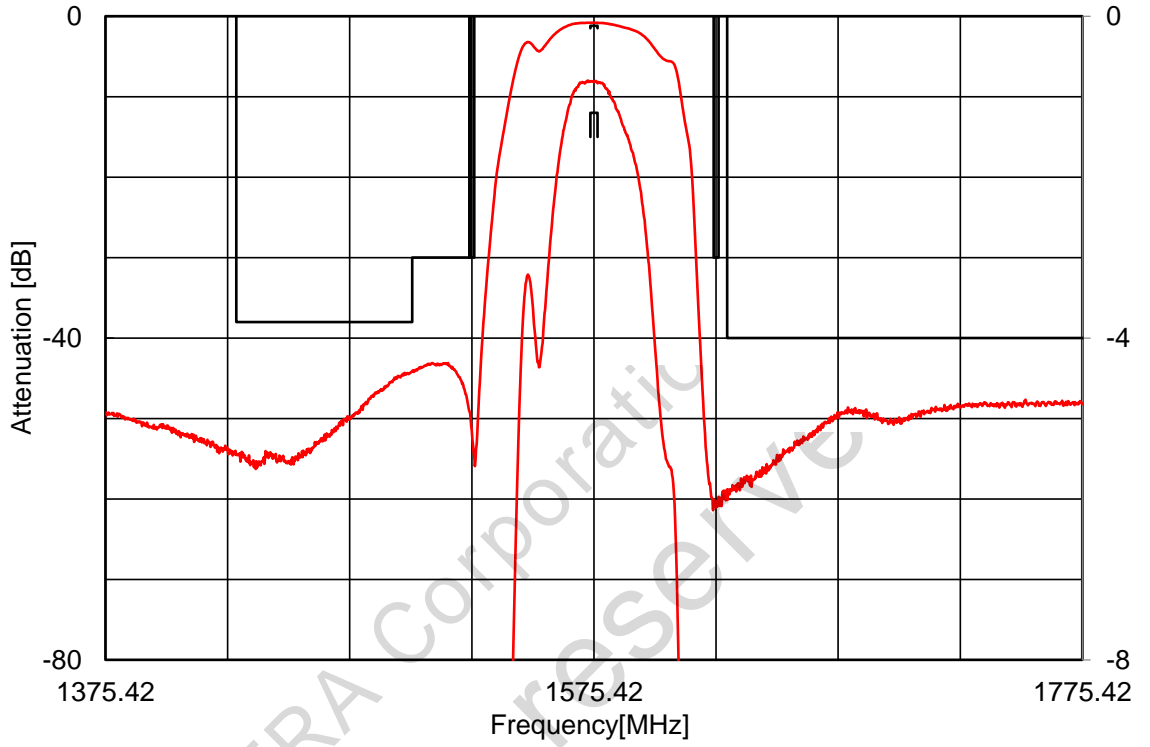
Measurement Circuit



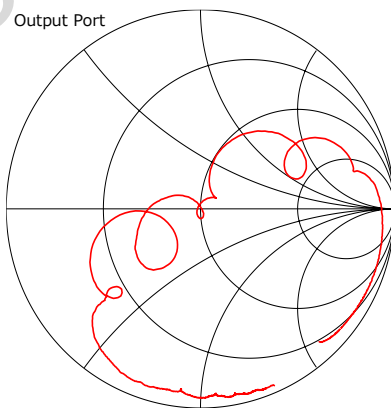
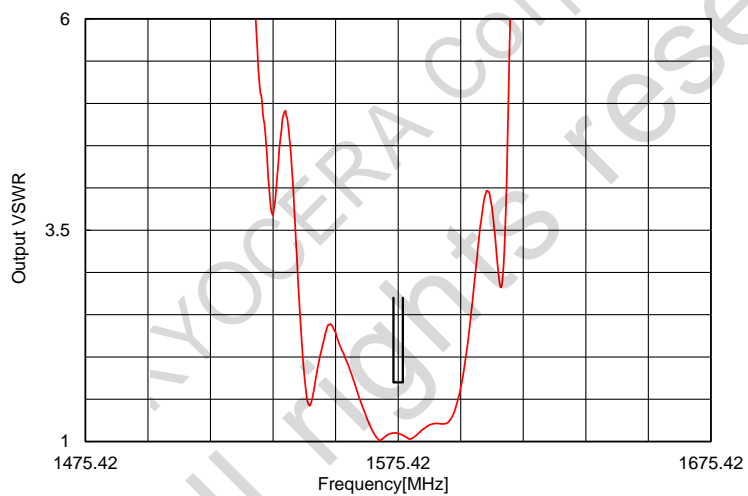
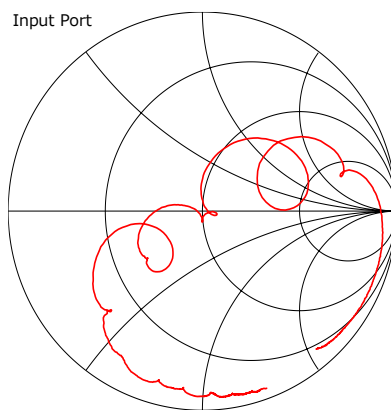
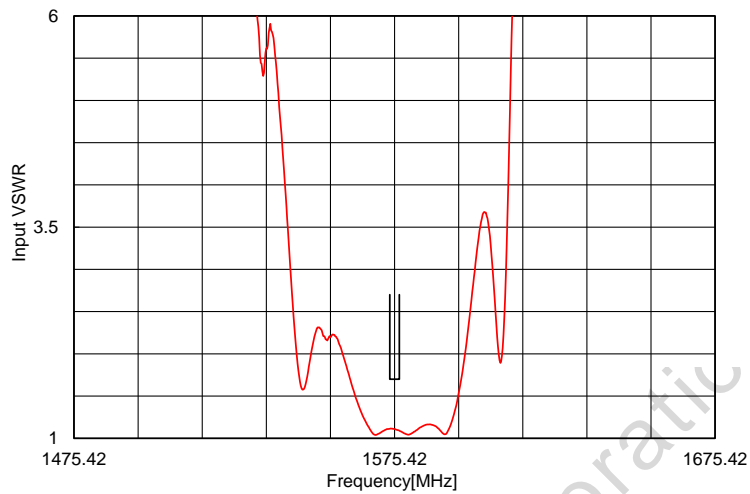
Electrical Characteristics

ITEMS	Frequency (MHz)	Characteristics			Unit	Note
		min.	typ.	max.		
Nominal Center Frequency		1575.42			MHz	
Insertion Loss	1573.92 to 1576.92	-	0.8	1.2	dB	
Ripple (peak to peak)	1573.92 to 1576.92	-	0.1	0.6	dB	
Input VSWR	1573.92 to 1576.92	-	1.1	1.7	-	
Output VSWR	1573.92 to 1576.92	-	1.0	1.7	-	
Absolute Attenuation	10 to 843	40	45	-	dB	
	843 to 870	40	44	-	dB	
	898 to 925	40	44	-	dB	
	925 to 1350	40	44	-	dB	
	1355.25	40	49	-	dB	
	1429 to 1501	38	44	-	dB	
	1501 to 1525	30	44	-	dB	
	1525.42	30	49	-	dB	
	1625.42	30	56	-	dB	
	1630 to 1893	40	47	-	dB	
	1893 to 1920	40	48	-	dB	
	1920 to 1940	40	49	-	dB	
	1940 to 1980	40	49	-	dB	
	1980 to 2500	40	47	-	dB	
	2500 to 3000	35	41	-	dB	
3000 to 4200	25	32	-	dB		
4200 to 6000	15	27	-	dB		

Electrical Characteristics

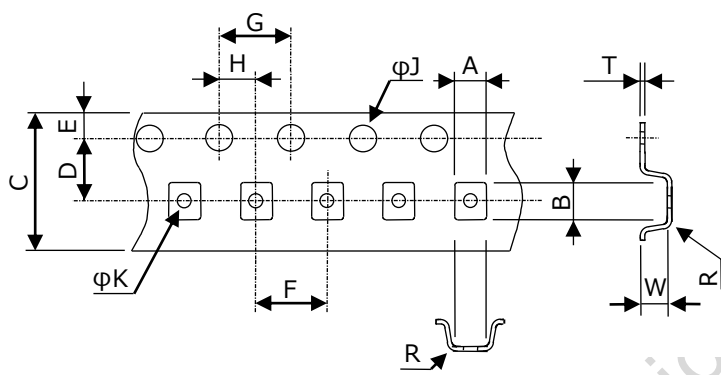


Electrical Characteristics



Tape & Reel Specification

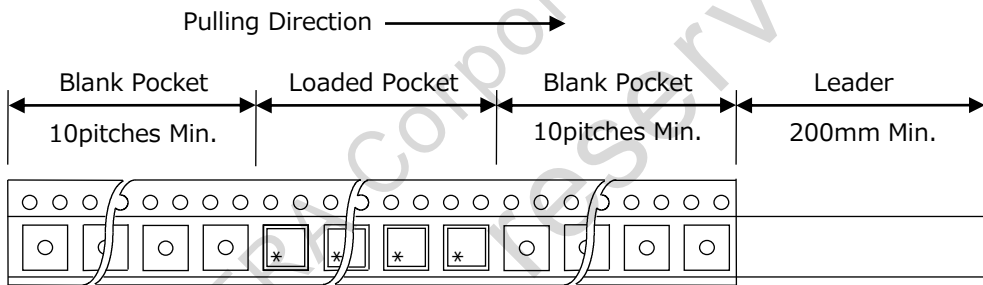
[Tape]



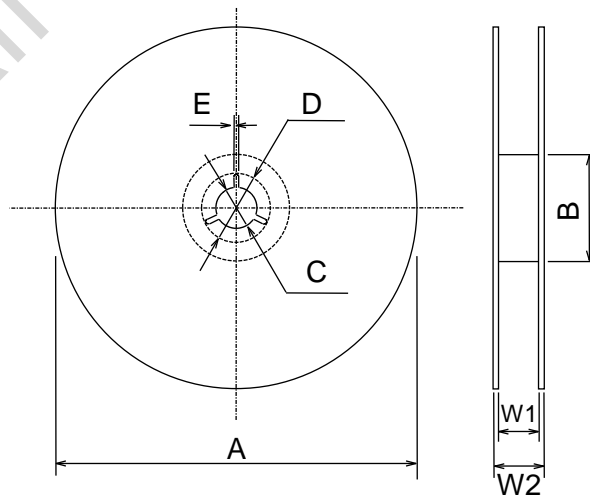
Unit : mm

Part	Dimension
A	1.3±0.05
B	1.6±0.05
C	8.0±0.15
D	3.5±0.05
E	1.75±0.1
F	4.0±0.1
G	4.0±0.1
H	2.0±0.05
φJ	1.5+0.1/-0
φK	0.5±0.1
R	0.2 Max
W	0.7±0.05
T	0.2±0.05

W Dimension is depth of pockets.



[Reel]



Part	A	B	C	D
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	

Unit : mm

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