

Datasheet of SAW Filter

1814 Band39,41n TRx Diplex Dual

KYOCERA Part No. : SF18-1900BASUB1

Electrical Characteristics

Band39

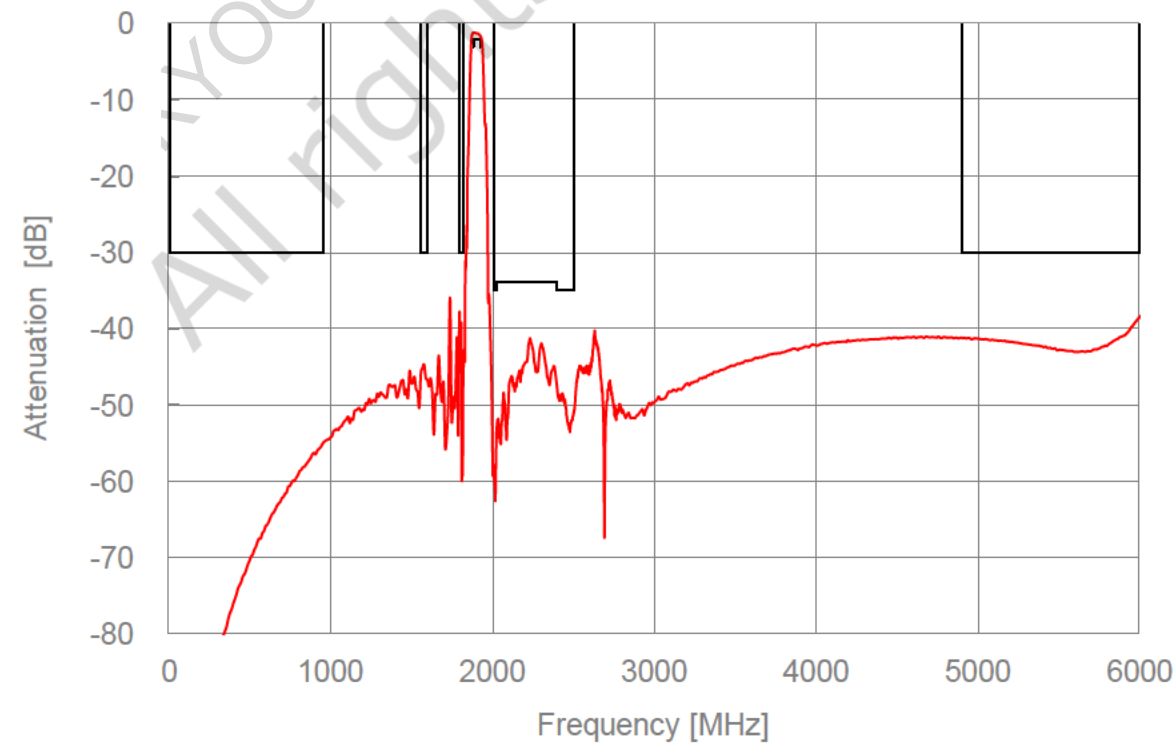
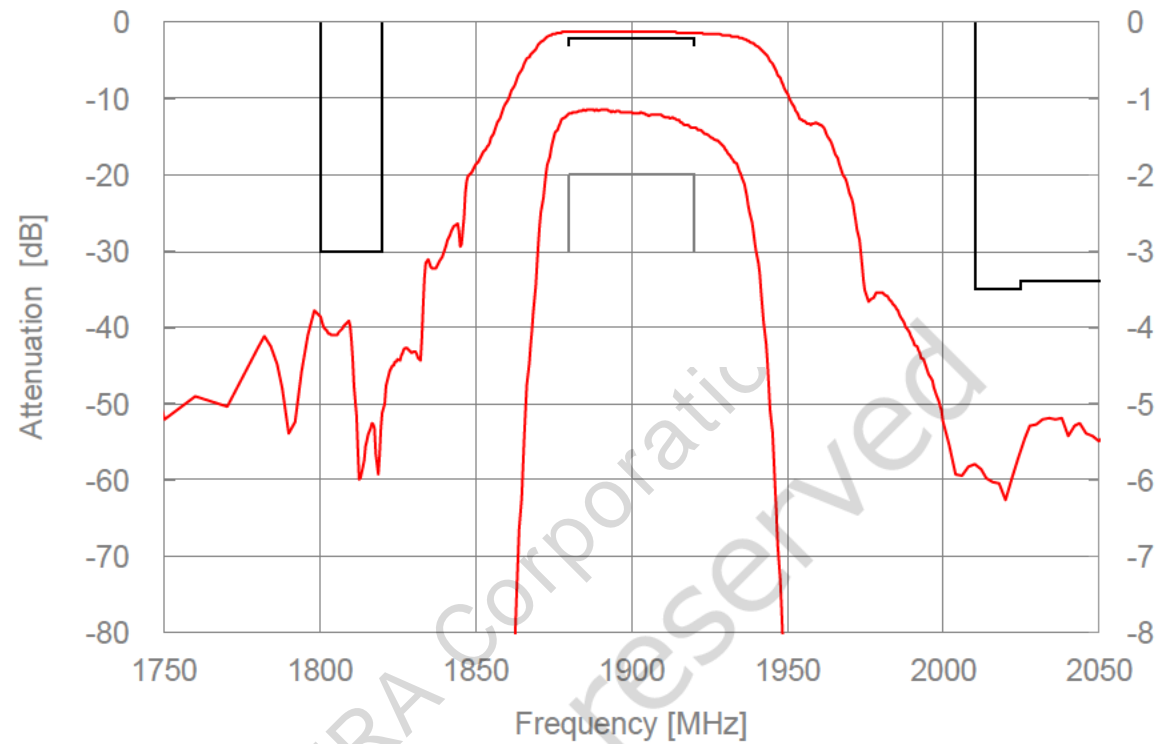
Items	Frequency (MHz)			Characteristics			Unit	Note
				min.	typ.	max.		
Nominal Center Frequency	-			1900			MHz	
Insertion Loss	1880	to	1920	-	1.4	2.0	dB	
Ripple (peak to peak)	1880	to	1920	-	0.2	1.5	dB	
Ant. VSWR	1880	to	1920	-	1.4	2.1	-	
DRx VSWR	1880	to	1920	-	1.2	2.1	-	
Absolute Attenuation	10	to	960	30	55	-	dB	
	1560	to	1600	30	45	-	dB	
	1800	to	1820	30	39	-	dB	
	2010	to	2025	35	56	-	dB	
	2025	to	2400	34	41	-	dB	
	2400	to	2500	35	47	-	dB	
	4900	to	6000	30	39	-	dB	

Band41

Items	Frequency (MHz)			Specification			Unit	Note
				min.	typ.	max.		
Nominal Center Frequency	-			2600			MHz	
Insertion Loss	2545	to	2655	-	2.3	3.1	dB	
Ripple (peak to peak)	2545	to	2655	-	1.0	2.0	dB	
Ant. VSWR	2545	to	2655	-	1.6	2.1	-	
TRx VSWR	2545	to	2655	-	1.3	2.1	-	
Absolute Attenuation	10	to	960	30	48	-	dB	
	1560	to	1600	23	27	-	dB	
	1710	to	2300	20	23	-	dB	
	2300	to	2400	25	28	-	dB	
	2400	to	2483	35	41	-	dB	
	2750	to	4900	28	32	-	dB	
	4900	to	5900	24	29	-	dB	

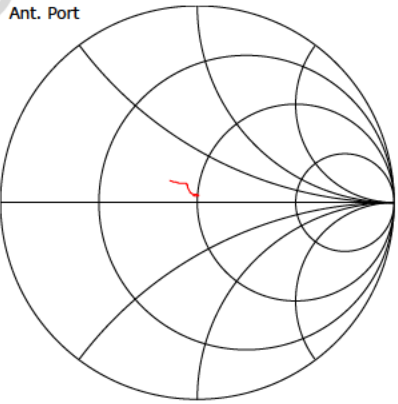
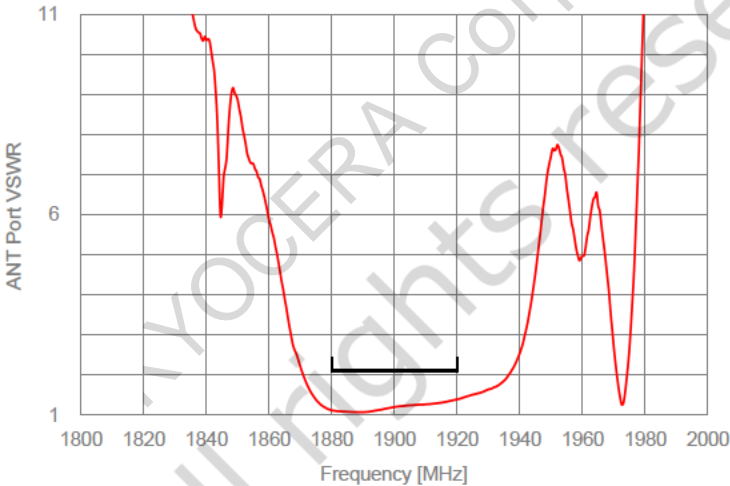
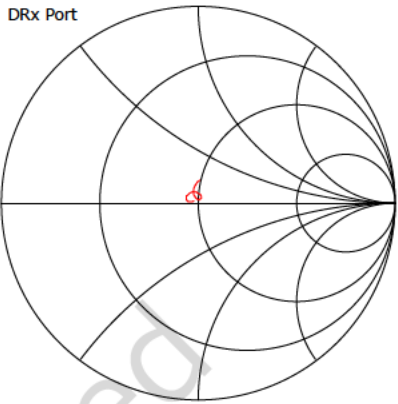
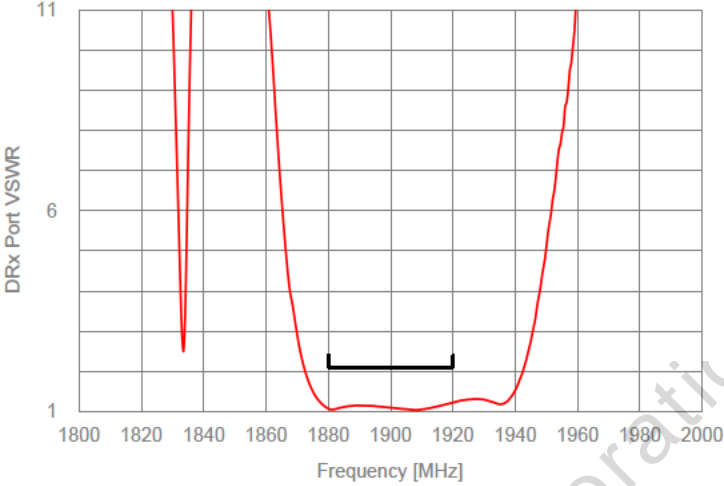
Electrical Characteristics

[Band39]



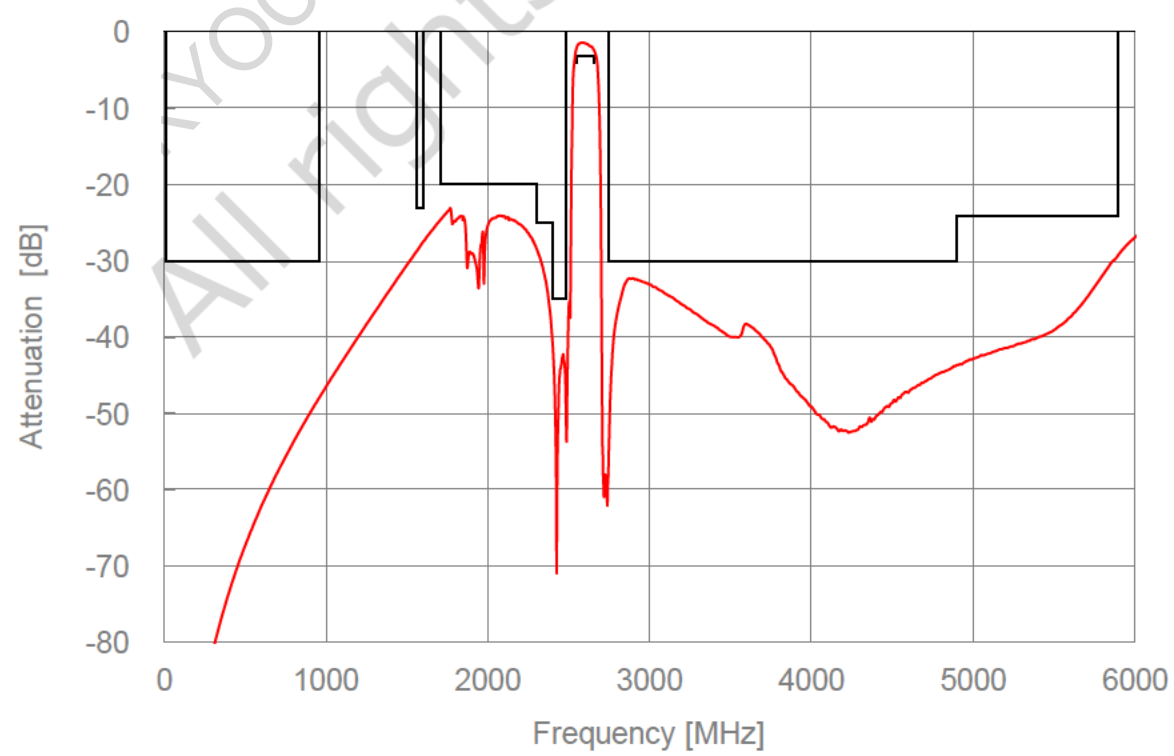
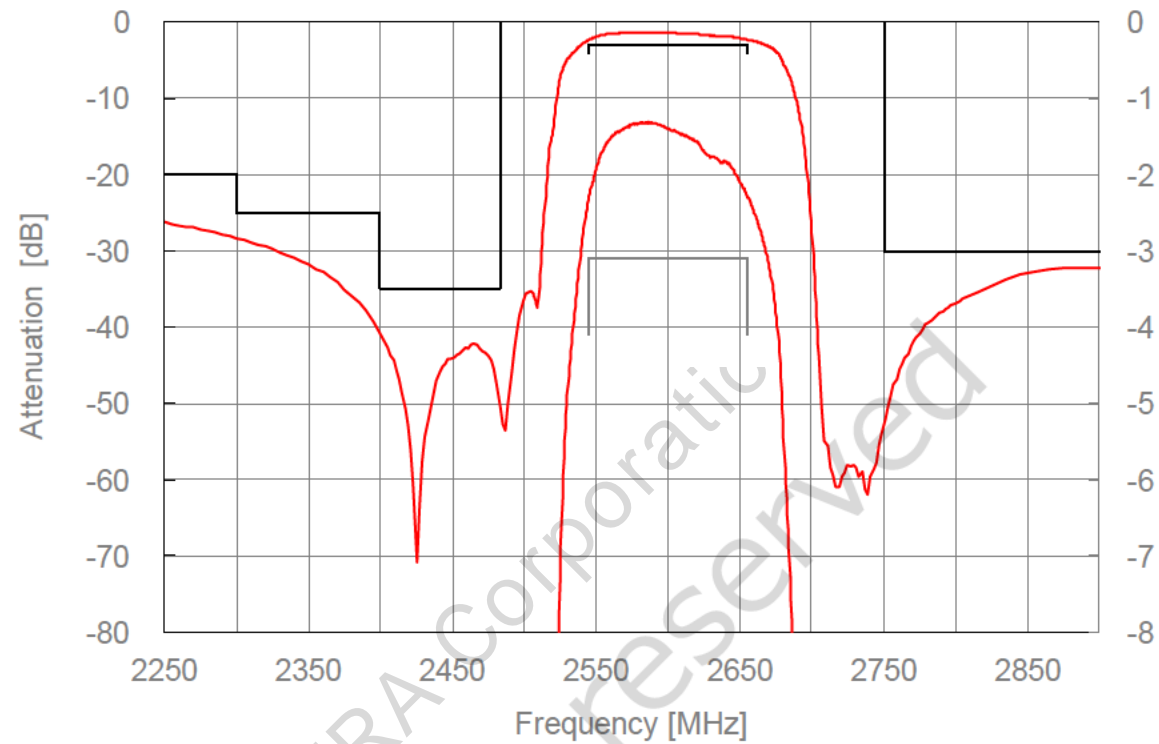
Electrical Characteristics

[Band39]



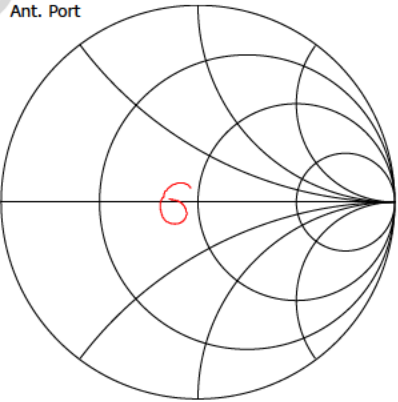
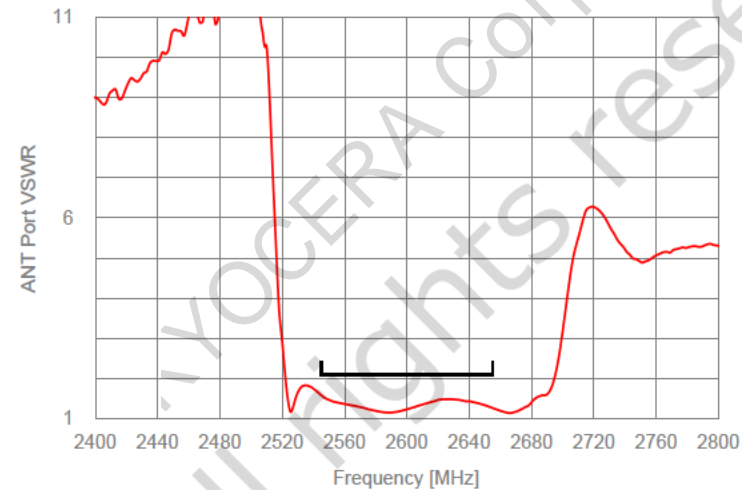
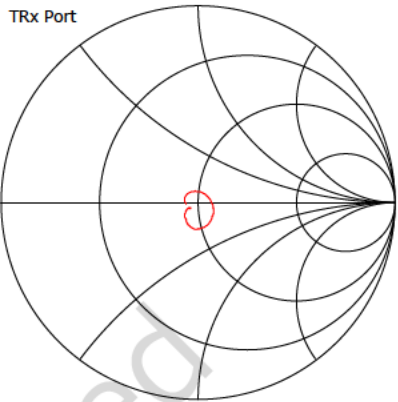
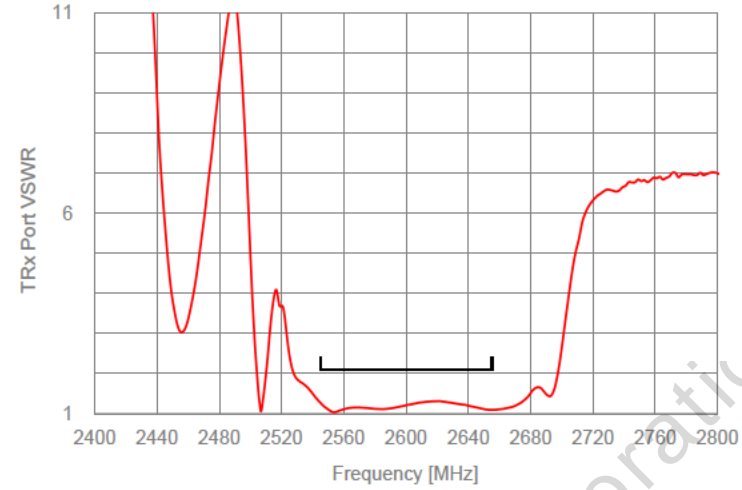
Electrical Characteristics

[Band41]

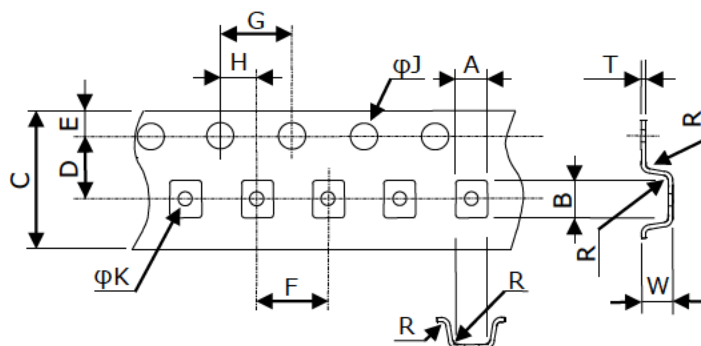


Electrical Characteristics

[Band41]

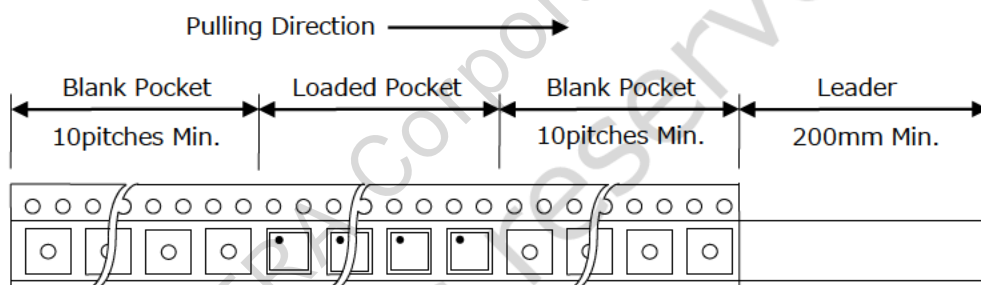


[Tape]

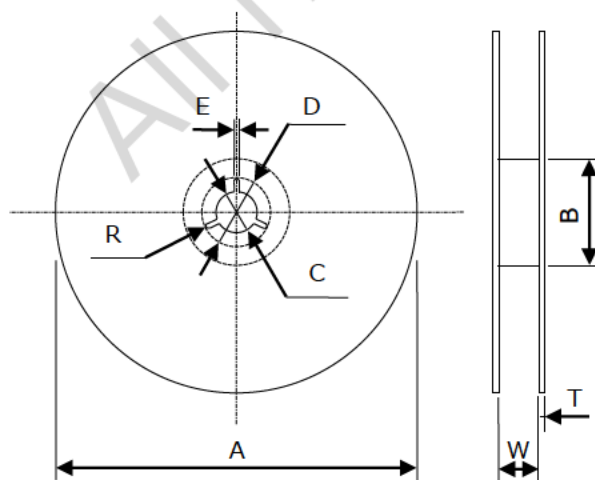


Unit : mm	
Part	Dimension
A	1.7±0.1
B	2.05±0.10
C	8.0±0.2
D	3.50±0.05
E	1.75±0.10
F	4.0±0.1
G	4.0±0.1
H	2.00±0.05
φJ	1.5+0.1/-0
φK	0.80±0.05
R	0.2 Max
W	0.7±0.1
T	0.20±0.05

W : Dimension is depth of pockets.



[Reel]



Part	Dimension
A	178 ± 2
B	60 ± 2
C	13.0 ± 0.2
D	21.0 ± 0.8
E	2.0 ± 0.5
R	1
W	9.5 ± 1.0
T	2.0 ± 0.2

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