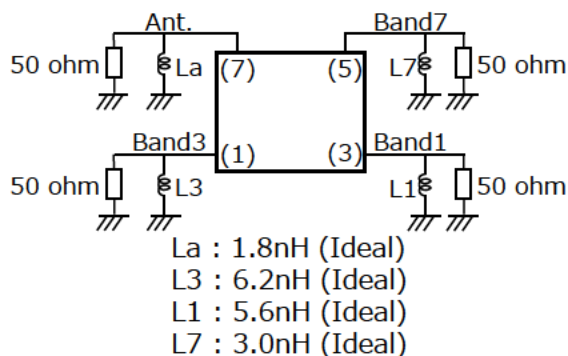


Datasheet of SAW Filter

1814 Band1,Band3,Band7 DRx

Triplex Triple

KYOCERA Part No. : SF18-1842M8SUA1

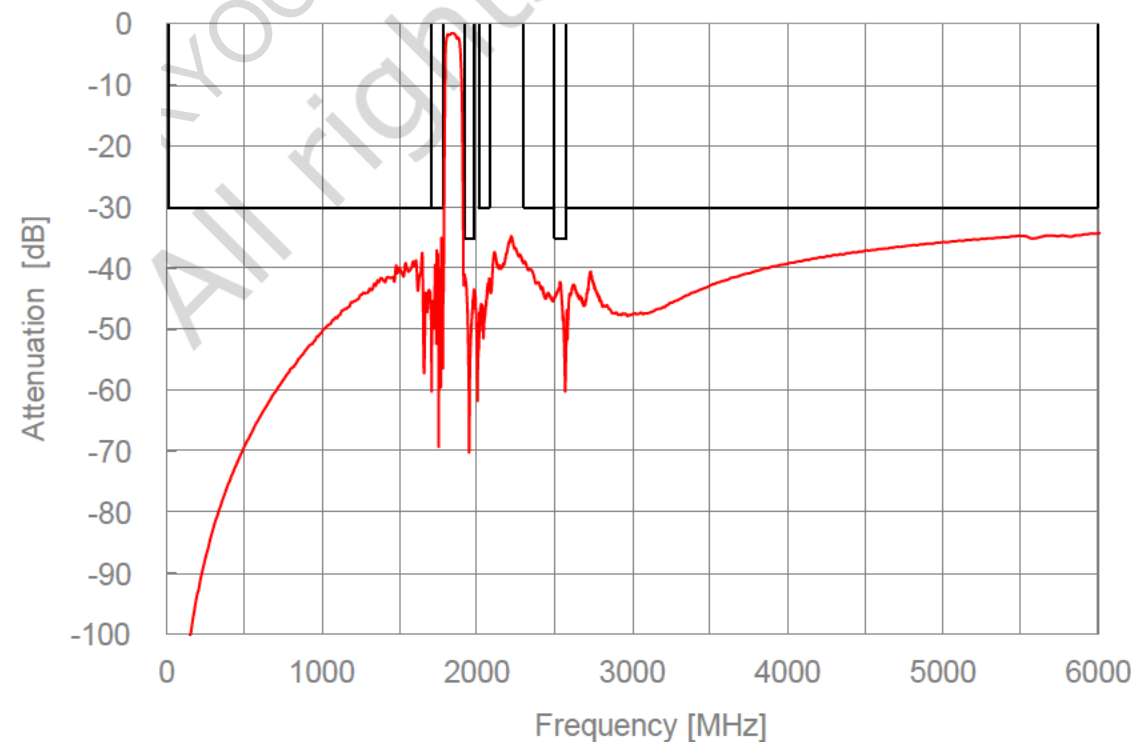
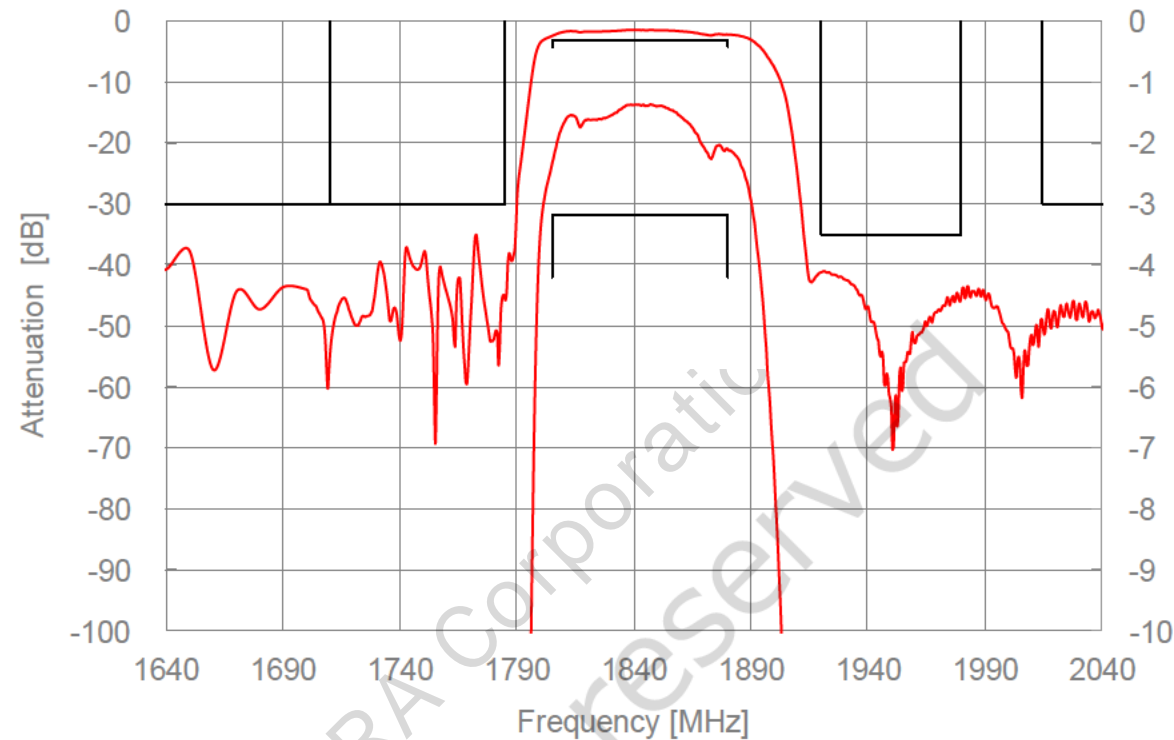


Electrical Characteristics

Items		Frequency (MHz)	Characteristics			Unit
			min.	typ.	max.	
Band3	Nominal Center Frequency	-	1842			MHz
	Insertion Loss	1805 - 1880	-	2.3	3.2	dB
	Ripple at any 20MHz	1805 - 1880	-	1.0	2.5	dB
	VSWR	Ant.	-	1.4	2.3	
		DRx	-	1.9	2.3	
	Attenuation	10 - 1710	30	38	-	dB
		1920 - 1980	35	41	-	dB
		1710 - 1785	30	35	-	dB
		2015 - 2075	30	43	-	dB
		2500 - 2570	35	42	-	dB
		2300 - 2500	30	39	-	dB
		2570 - 6000	30	34	-	dB
Band1	Nominal Center Frequency	-	2140			MHz
	Insertion Loss	2110 - 2170		2.3	3.0	dB
	Ripple	2110 - 2170		0.7	1.6	dB
	VSWR	Ant.		1.4	2.0	
		DRx		1.4	2.0	
	Attenuation	10 - 1920	39	42		dB
		1920 - 1980	42	51		dB
		1710 - 1785	40	43		dB
		2015 - 2075	20	31		dB
		2500 - 2570	41	48		dB
		2300 - 2690	20	38		dB
		2690 - 6000	20	38		dB
Band7	Nominal Center Frequency	-	2655			MHz
	Insertion Loss	2620 - 2690		2.4	3.2	dB
	Ripple	2620 - 2690		0.4	1.6	dB
	VSWR	Ant.		1.6	2.3	
		DRx		1.4	2.3	
	Attenuation	10 - 2500	27	33		dB
		1920 - 1980	35	41		dB
		1710 - 1785	35	39		dB
		2500 - 2570	37	39		dB
		2300 - 2500	30	33		dB
		2775 - 6000	30	32		dB

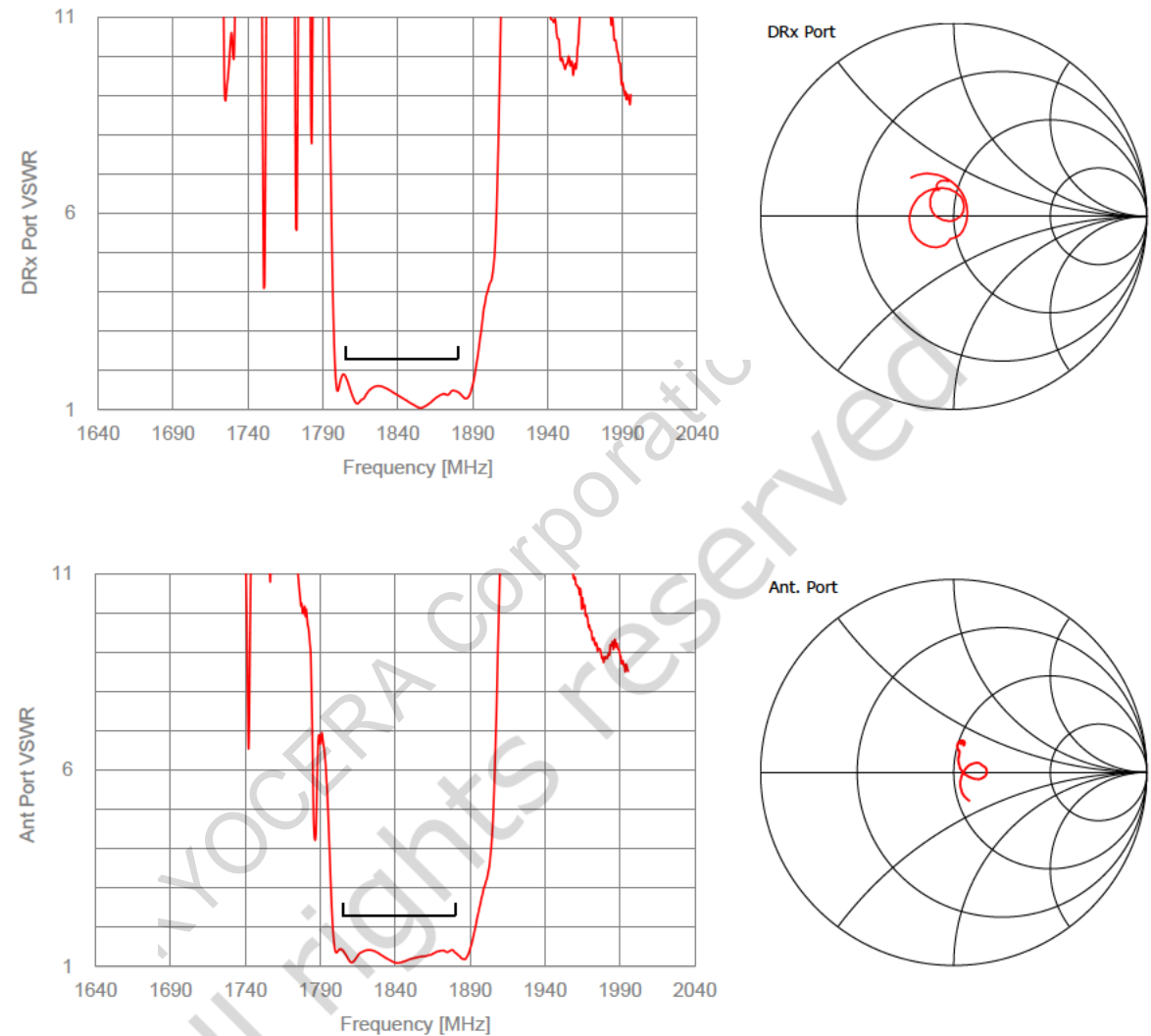
Electrical Characteristics

[Band3]



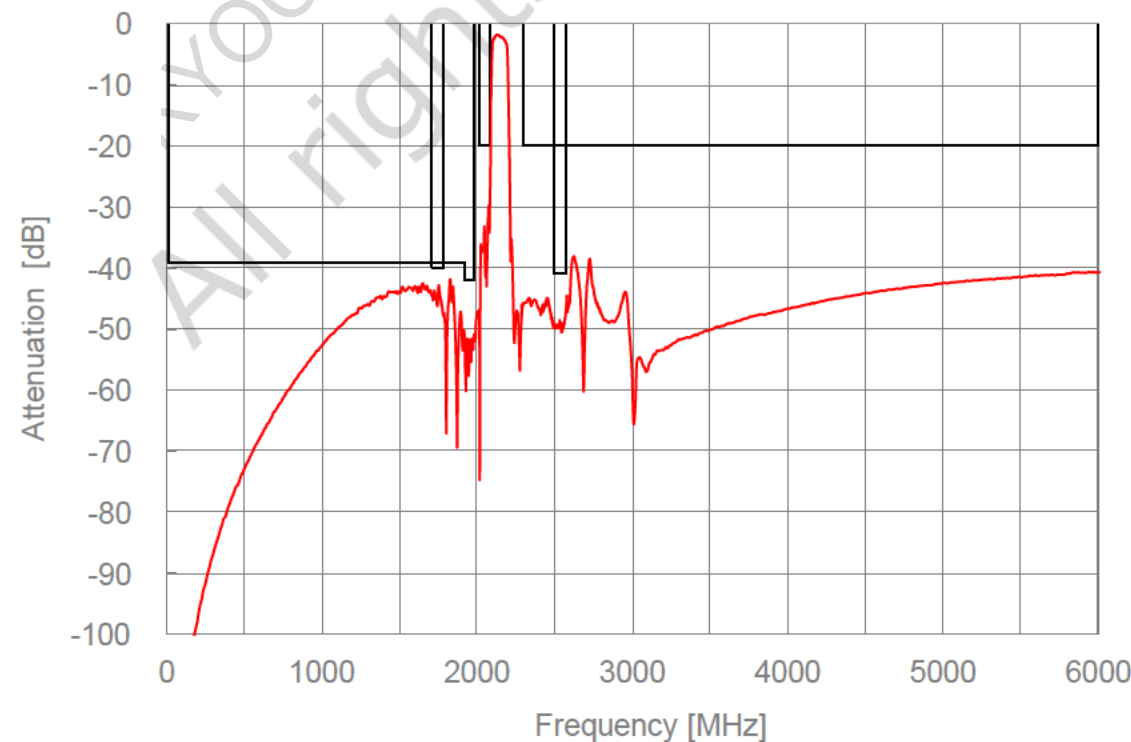
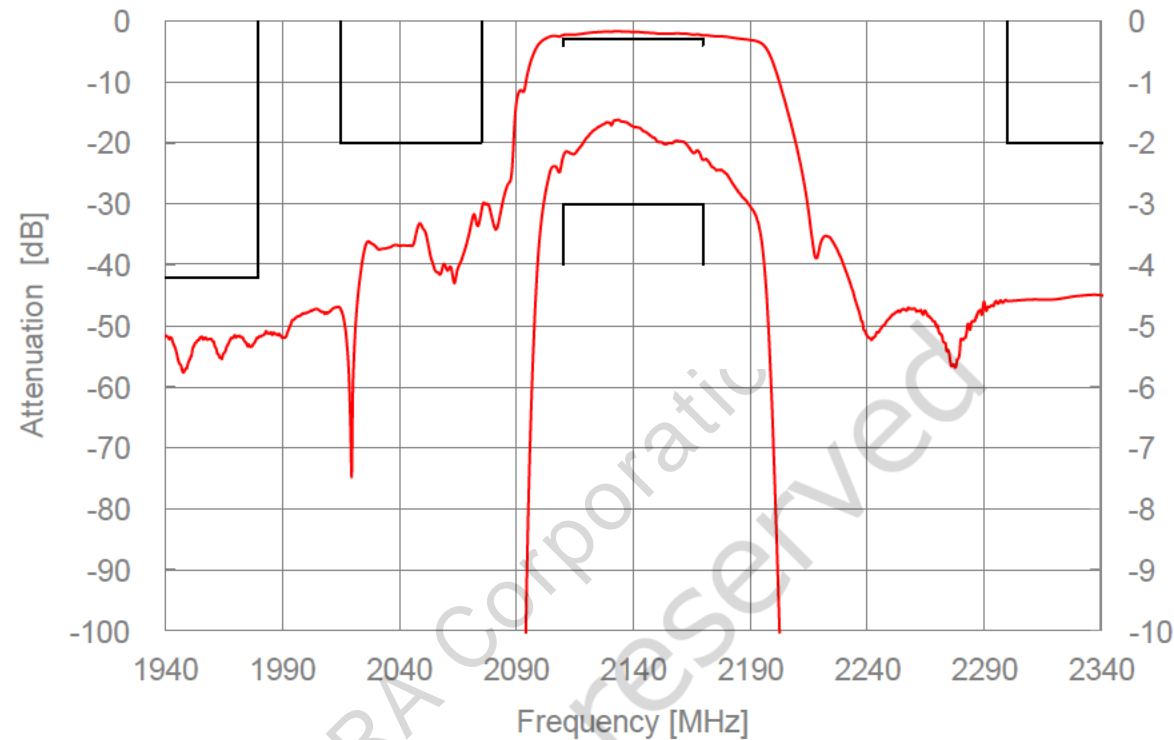
Electrical Characteristics

[Band3]



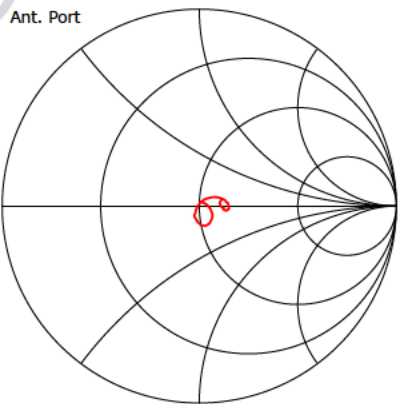
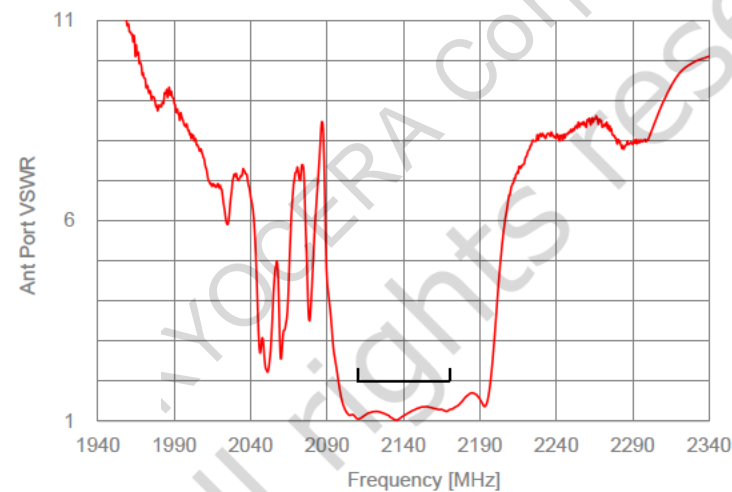
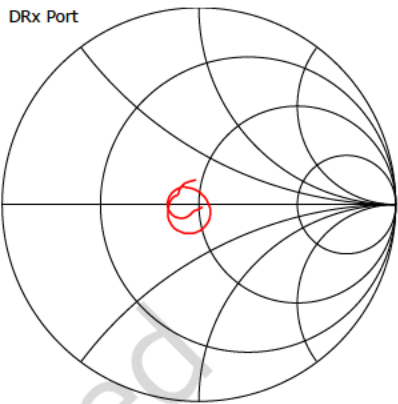
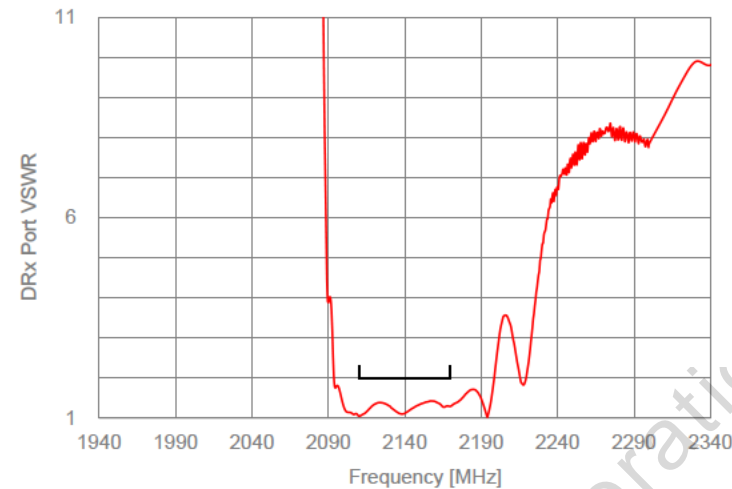
Electrical Characteristics

[Band1]



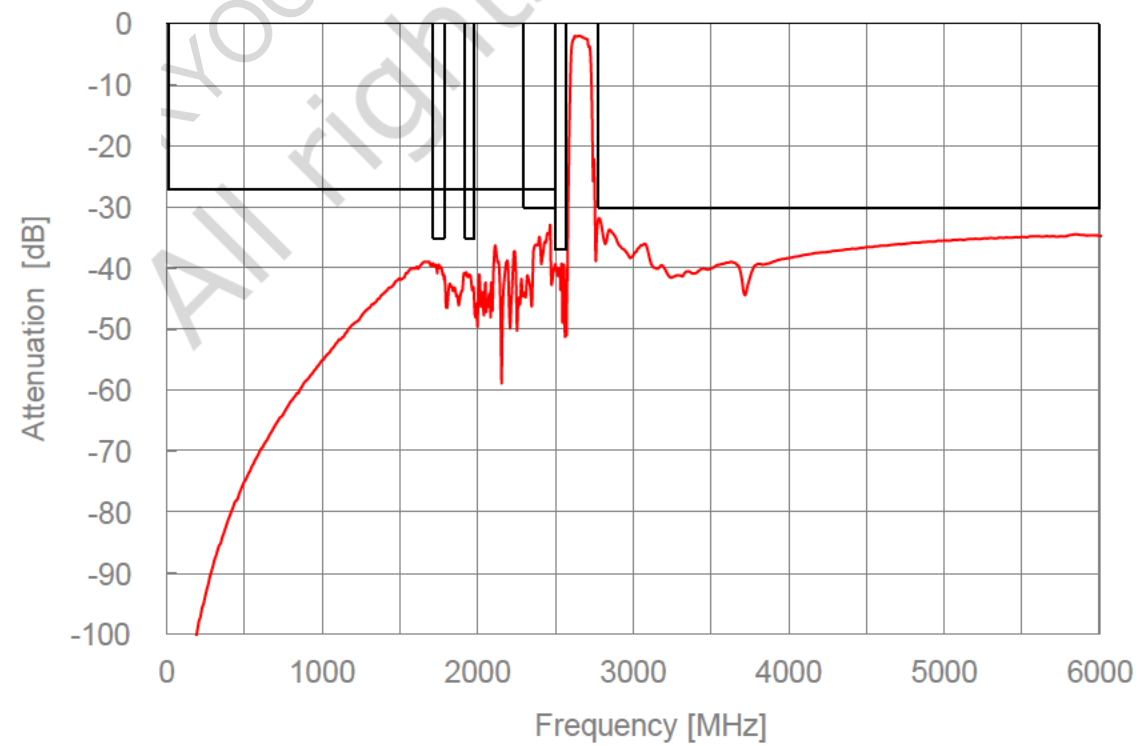
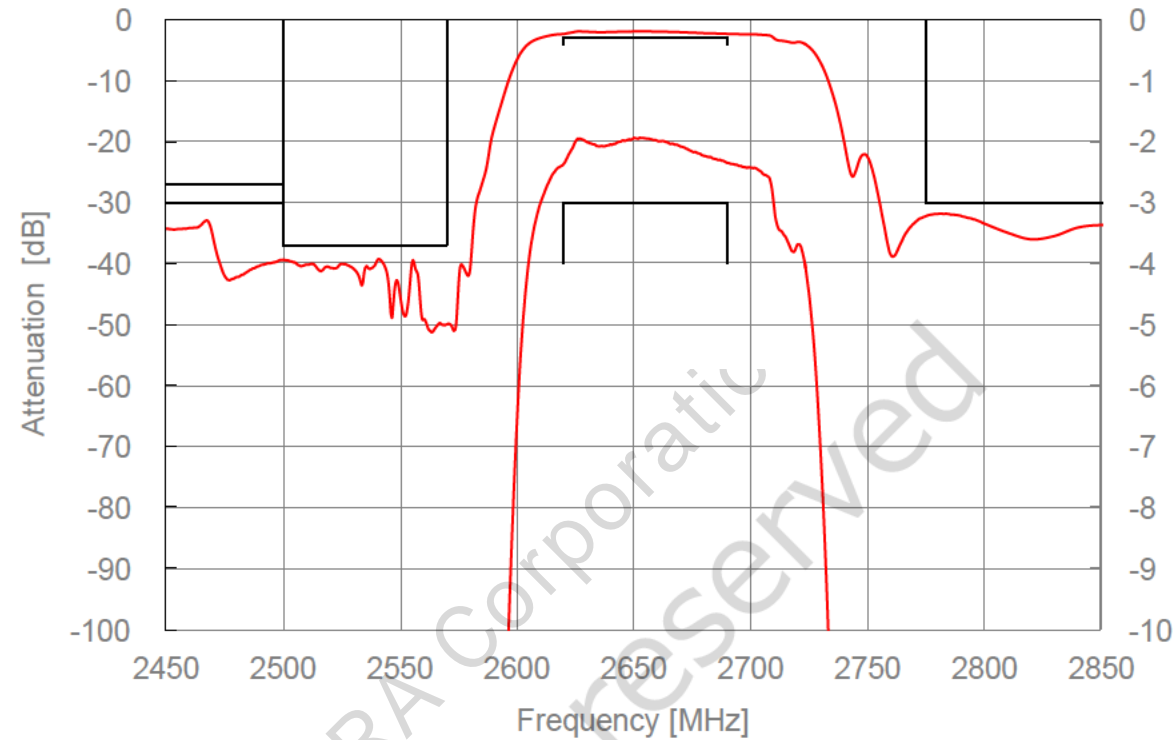
Electrical Characteristics

[Band1]



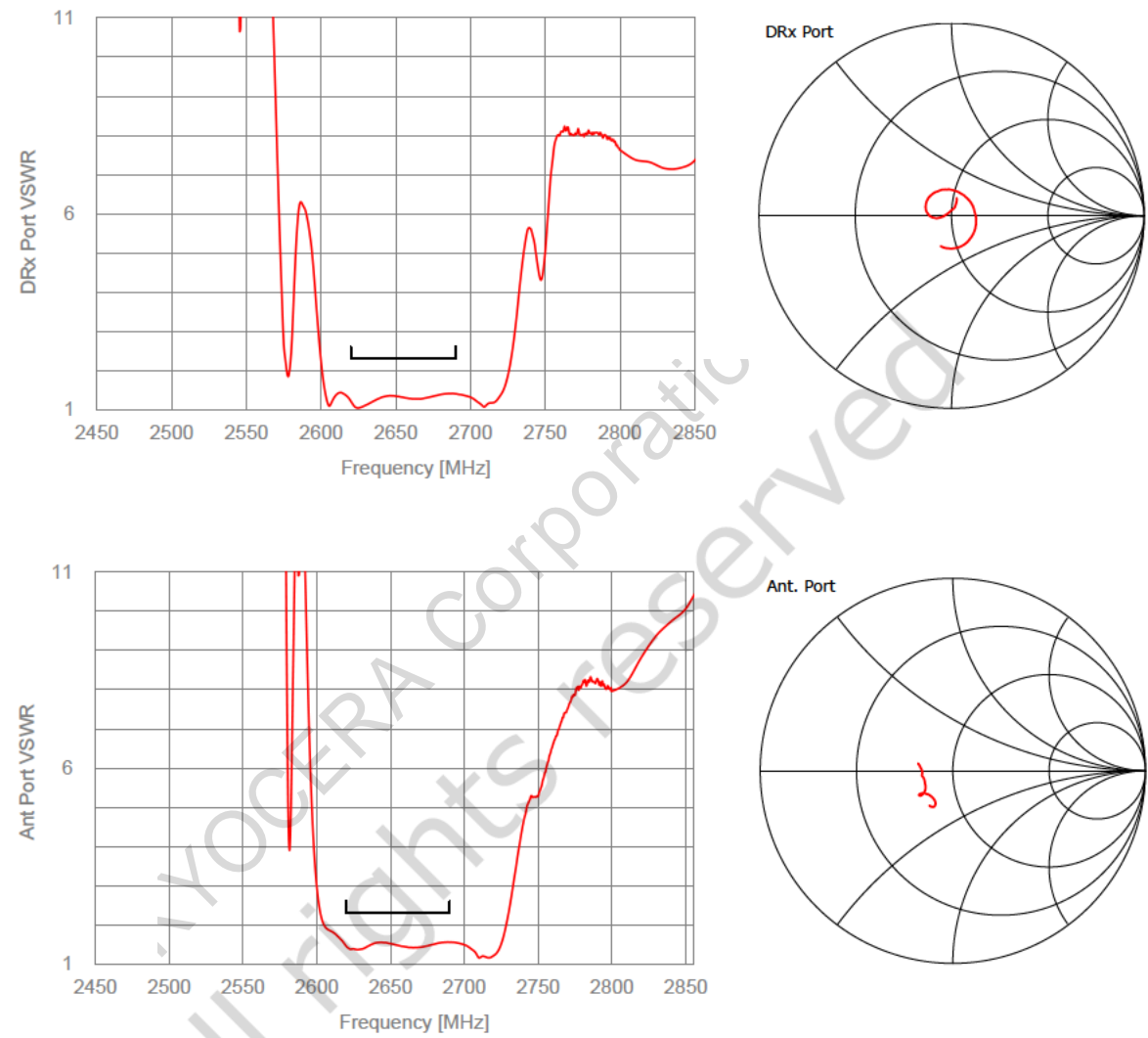
Electrical Characteristics

[Band7]



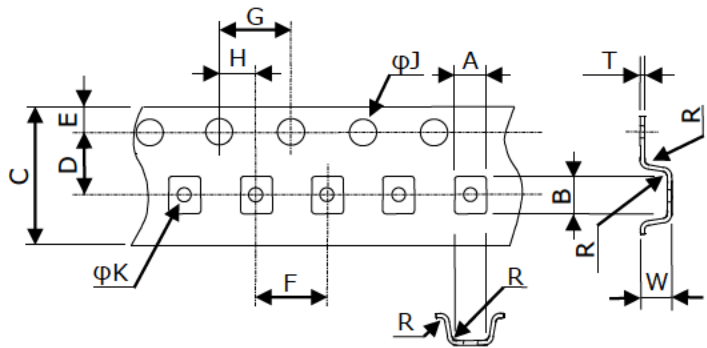
Electrical Characteristics

[Band7]



Tape & Reel Specification

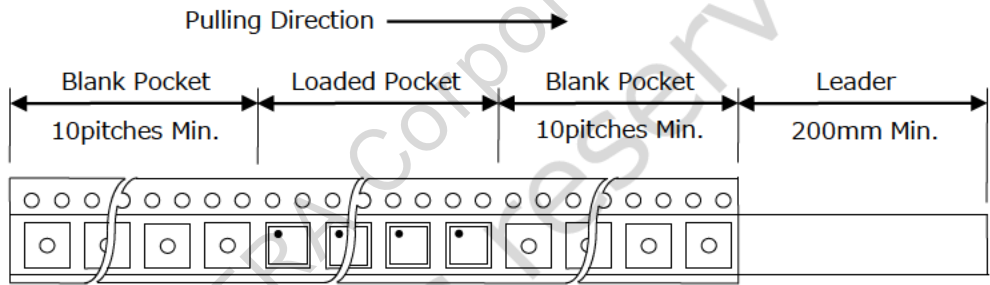
[Tape]



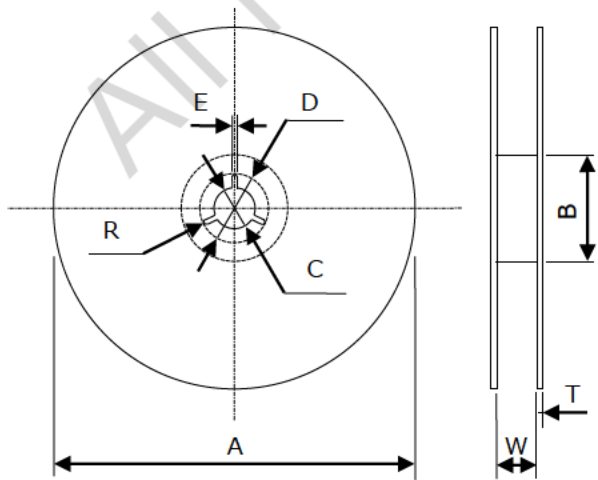
Unit : mm

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]



Unit : mm

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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