

Datasheet of SAW Duplexer

1814 Band8 Unbalanced

KYOCERA Part No. : SD18 0897R8UUC1

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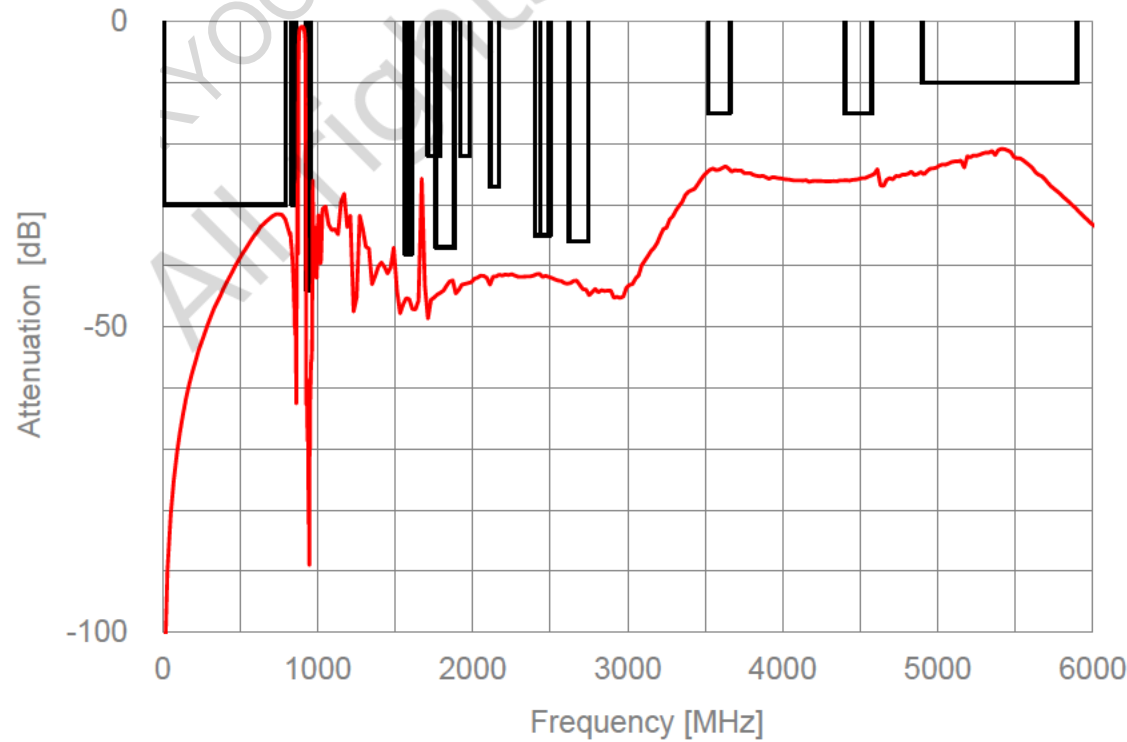
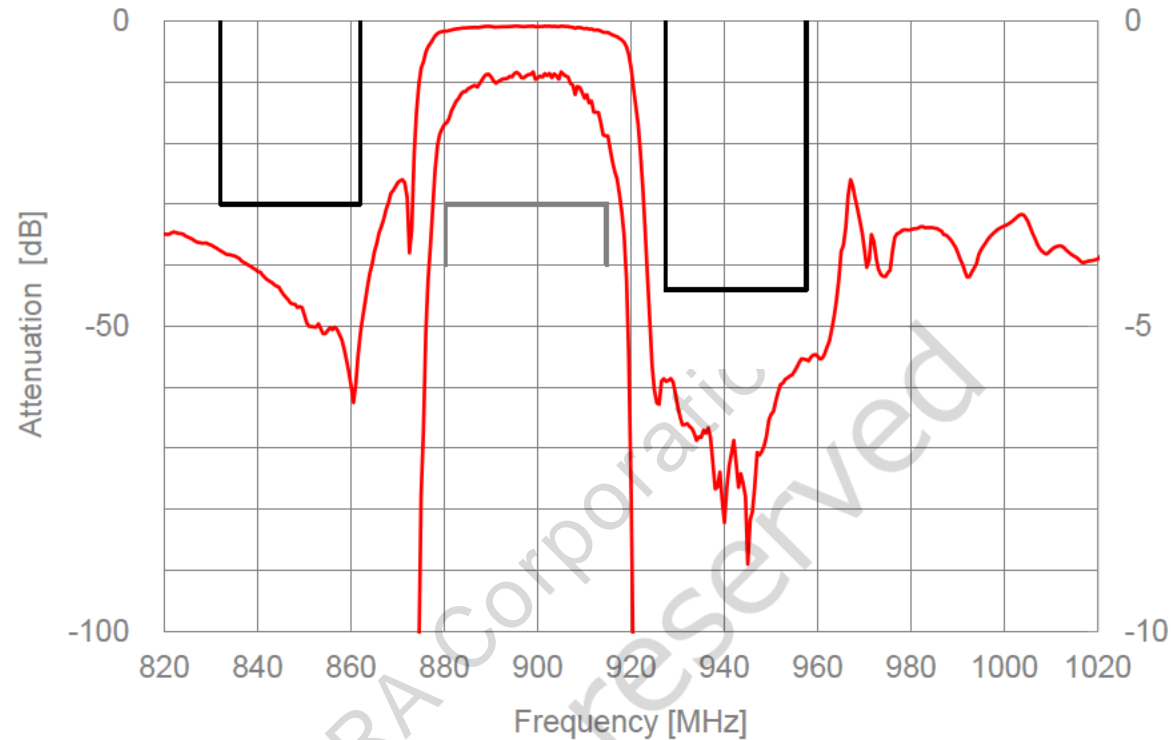
Electrical Characteristics

Items		Frequency (MHz)		Characteristics			Unit	Note
				min.	typ.	max.		
Tx to Ant	Nominal Center Frequency	-		897.5			MHz	
	Insertion Loss	880.24	to 914.76	-	2.0	3.0	dB	
	Ripple	880.24	to 914.76	-	1.2	2.3	dB	
	VSWR	880.24	to 914.76	-	1.3	2.0	-	
							-	
	Attenuation	10	to 716	30	32	-	dB	
		716	to 728	30	32	-	dB	
		728	to 793	30	32	-	dB	
		832	to 862	30	38	-	dB	
		927.4	to 957.6	44	56	-	dBint ¹⁾	
		1559	to 1563	38	45	-	dB	
		1565.42	to 1573.374	38	45	-	dB	
		1573.374	to 1577.466	38	45	-	dB	
		1577.466	to 1585.42	38	45	-	dB	
		1597.5515	to 1605.886	38	46	-	dB	
		1710	to 1785	22	44	-	dB	
		1760	to 1840	37	43	-	dB	
		1840	to 1880	37	42	-	dB	
		1920	to 1980	22	43	-	dB	
		2110	to 2170	27	42	-	dB	
		2400	to 2500	35	41	-	dB	
		2434	to 2494	35	42	-	dB	
		2620	to 2745	36	42	-	dB	
		3520	to 3660	15	24	-	dB	
		4400	to 4575	15	25	-	dB	
		4900	to 5900	10	21	-	dB	
Ant to Rx	Nominal Center Frequency	-		942.5			MHz	
	Insertion Loss	925	to 960	-	2.1	3.5	dB	
	Ripple	925	to 960	-	0.9	2.3	dB	
	VSWR	925	to 960	-	1.5	2.0	-	
							-	
	Attenuation	0	to 880	45	58	-	dB	
		45		50	100	-	dB	
		835	to 870	40	58	-	dB	
		880.24	to 914.76	45	59	-	dB	
		902.5	to 910	30	59	-	dB	
		980	to 1045	13	18	-	dB	
		1427	to 1448	40	66	-	dB	
		1710	to 1785	40	59	-	dB	
		1805	to 1920	40	58	-	dB	
		1920	to 1980	40	57	-	dB	
		2400	to 2500	40	55	-	dB	
		2500	to 2570	40	56	-	dB	
		2685	to 2790	40	55	-	dB	
		2775	to 2880	40	55	-	dB	
		2880	to 3700	35	49	-	dB	
		3700	to 3840	40	49	-	dB	
		4625	to 4800	40	50	-	dB	
		4900	to 5950	40	49	-	dB	
TX to RX	Isolation	880.24	to 914.76	55	59	-	dB	
		927.4	to 957.6	50	58	-	dBint ¹⁾	

1) dBint : Integrated any 4.5MHz

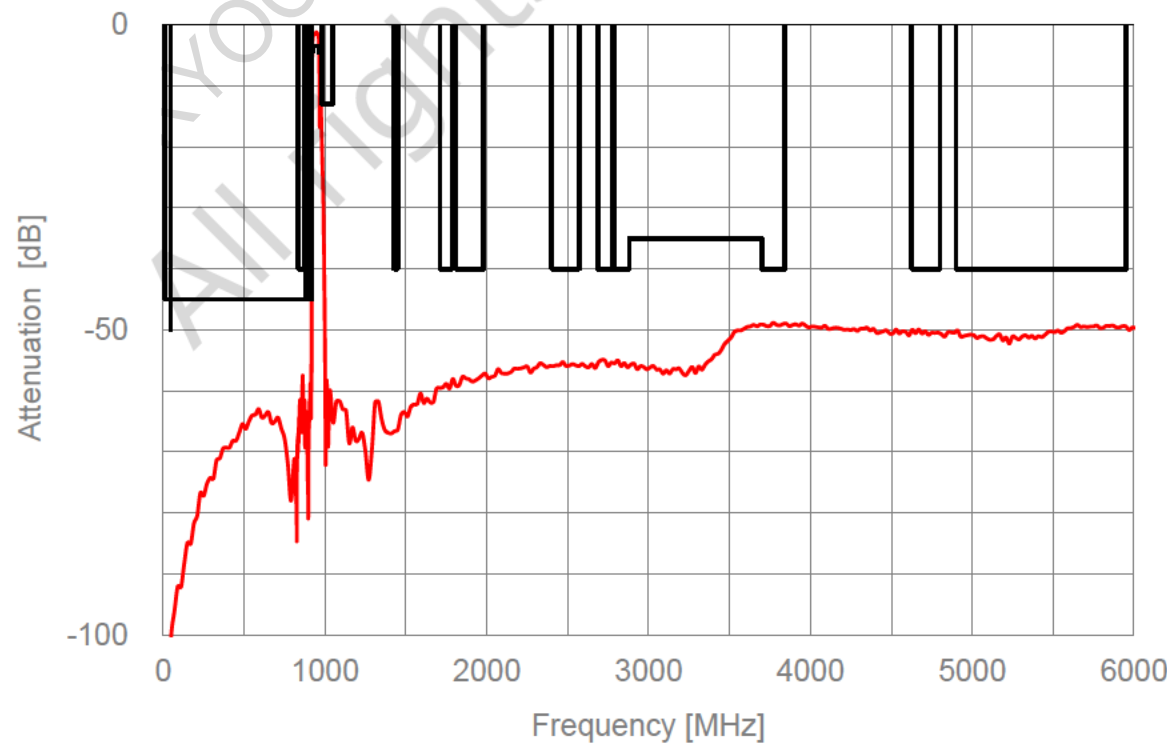
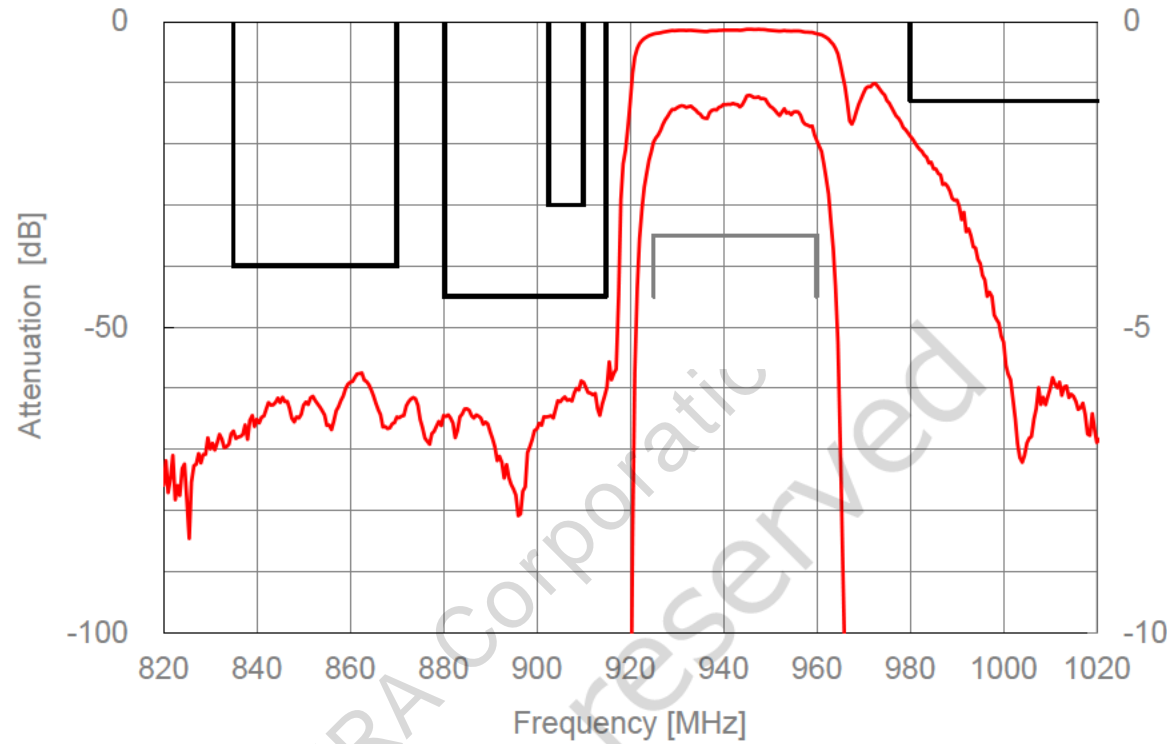
Electrical Characteristics

[Tx to Ant]



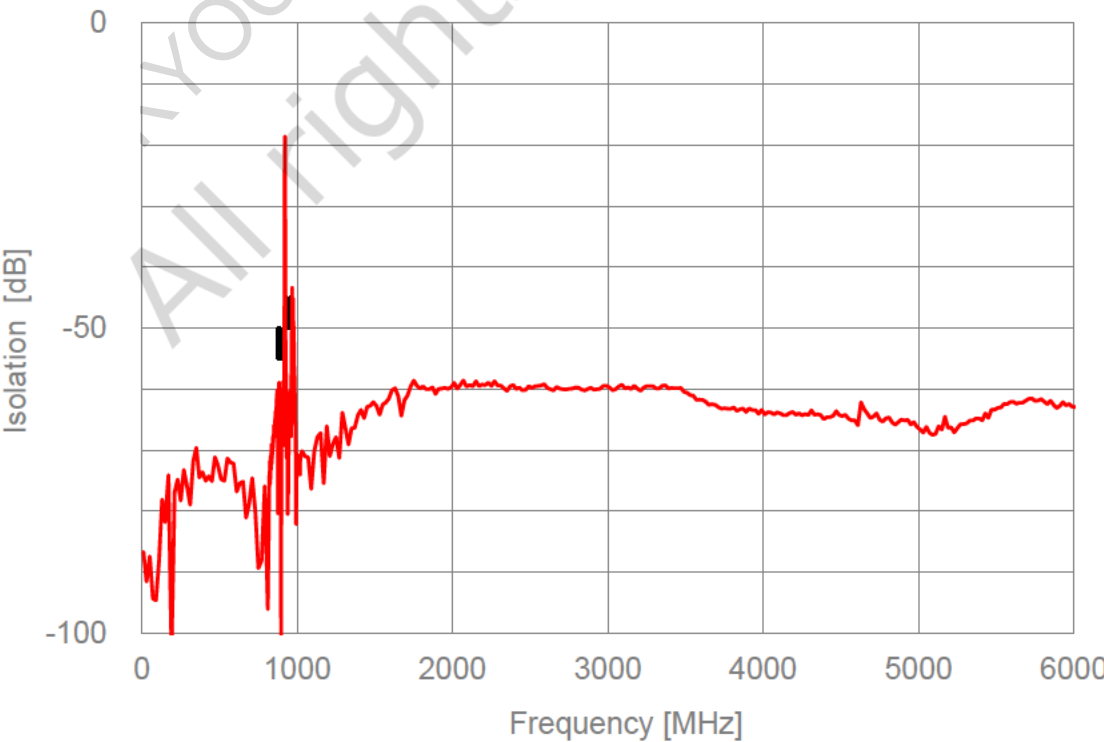
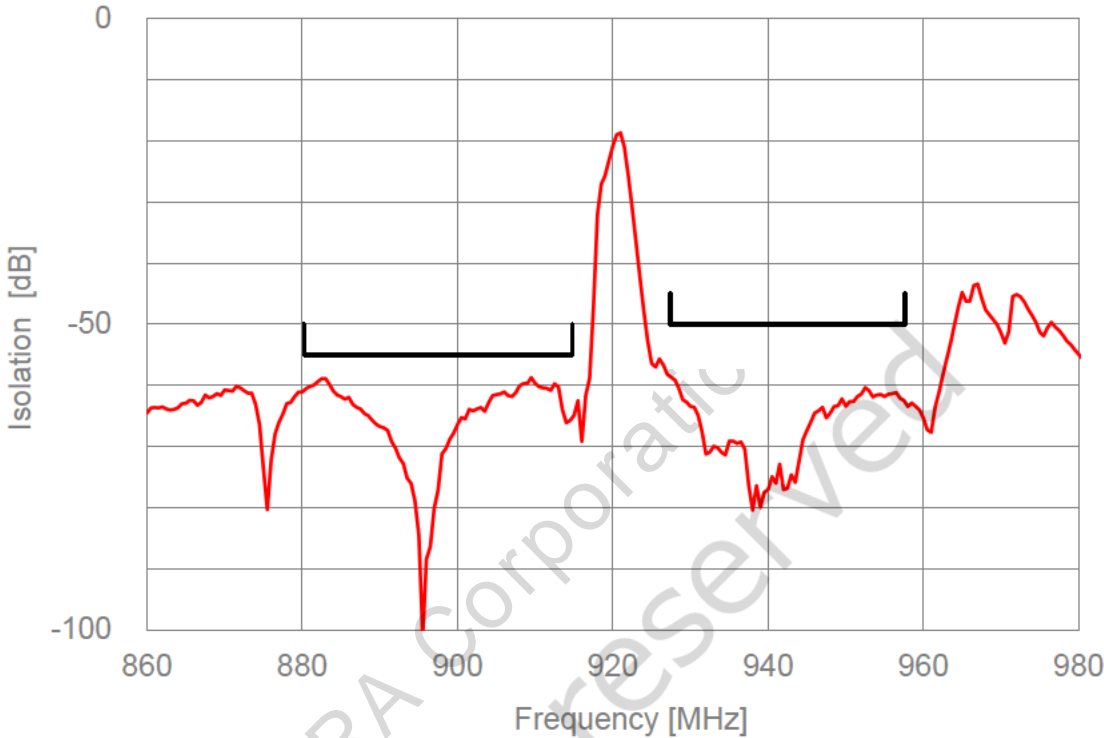
Electrical Characteristics

[Ant to Rx]

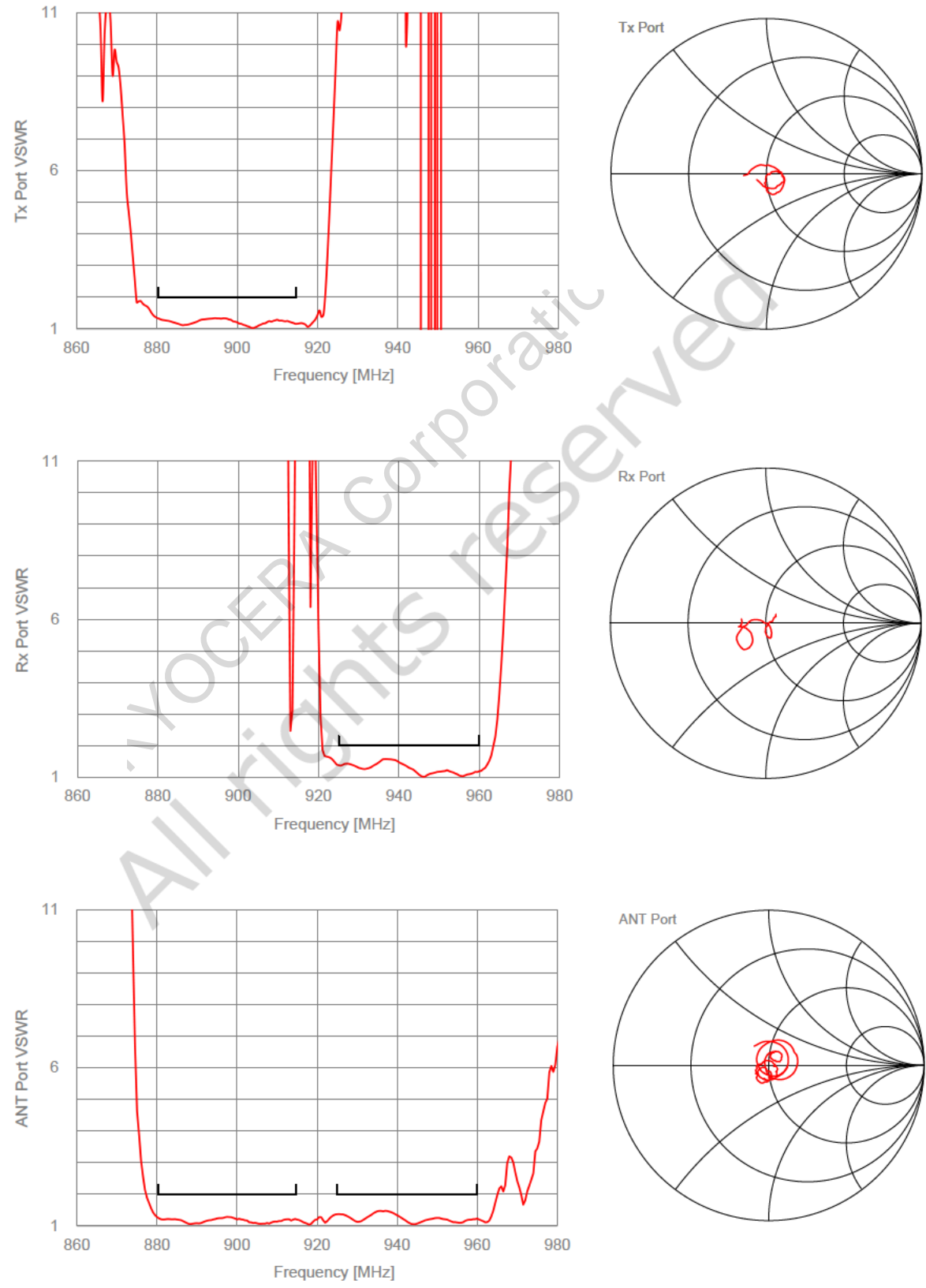


Electrical Characteristics

[Tx to Rx]

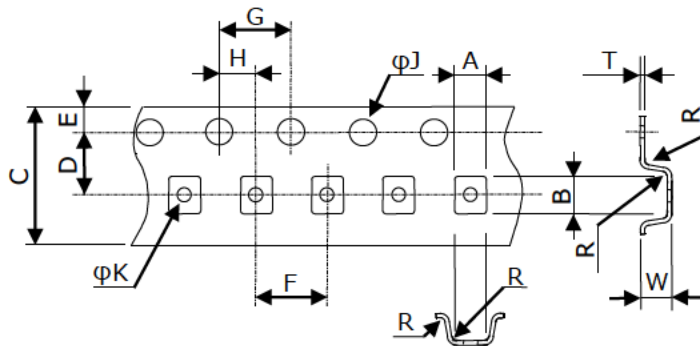


Electrical Characteristics



Tape & Reel Specification

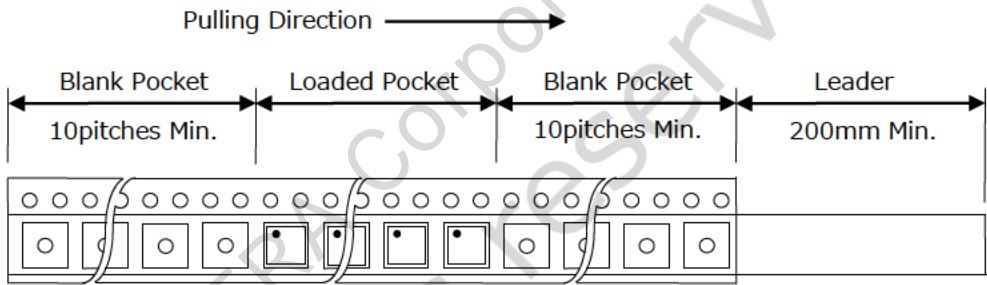
[Tape]



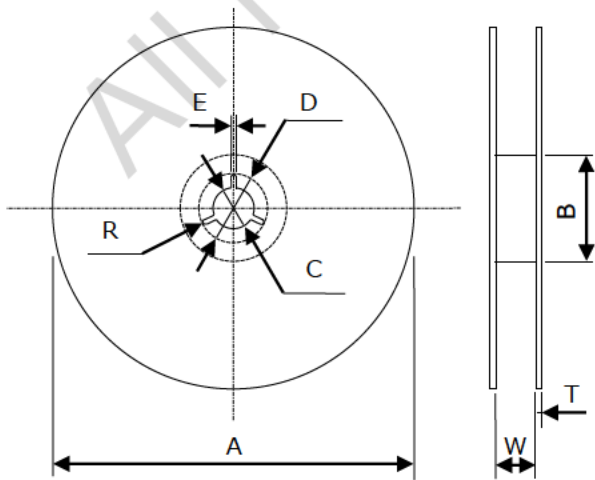
Unit : mm

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
I	1.5+0.1/-0
J	0.80±0.05
K	0.2 Max
L	0.7±0.1
M	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
F	1
G	9.5 ± 1.0
H	2.0 ± 0.2

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