

Datasheet of SAW Duplexer

1814 Band7 Unbalanced

KYOCERA Part No. : SD18-2535R8UUD1

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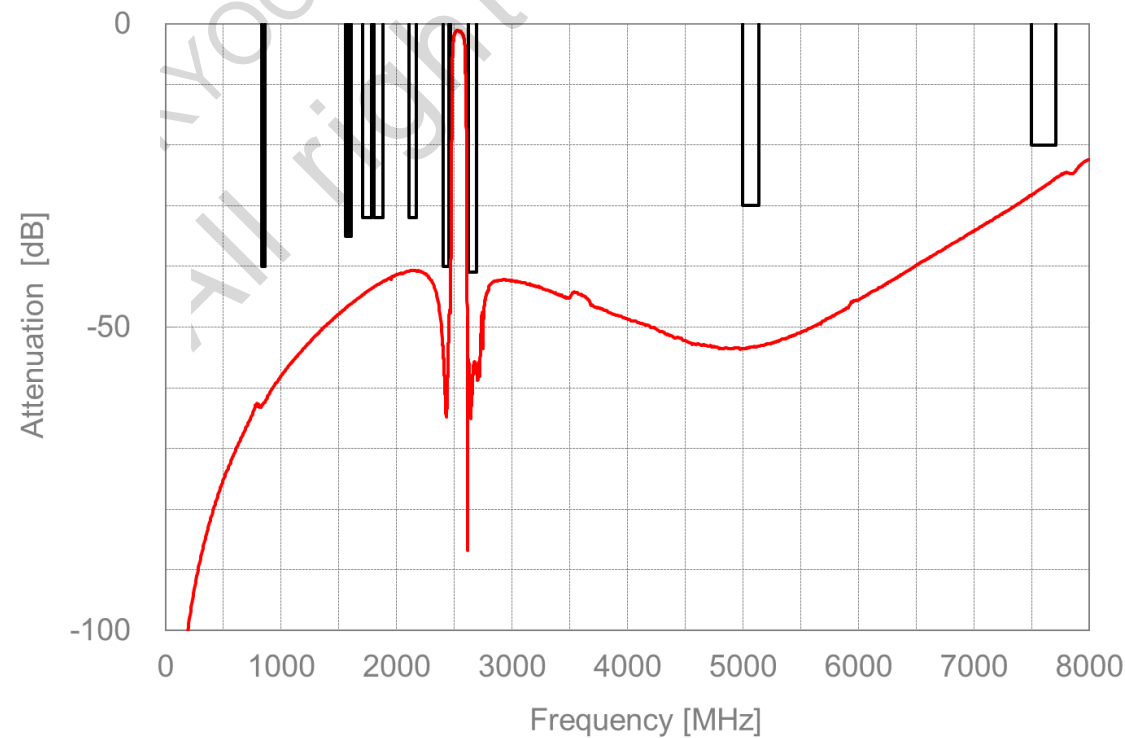
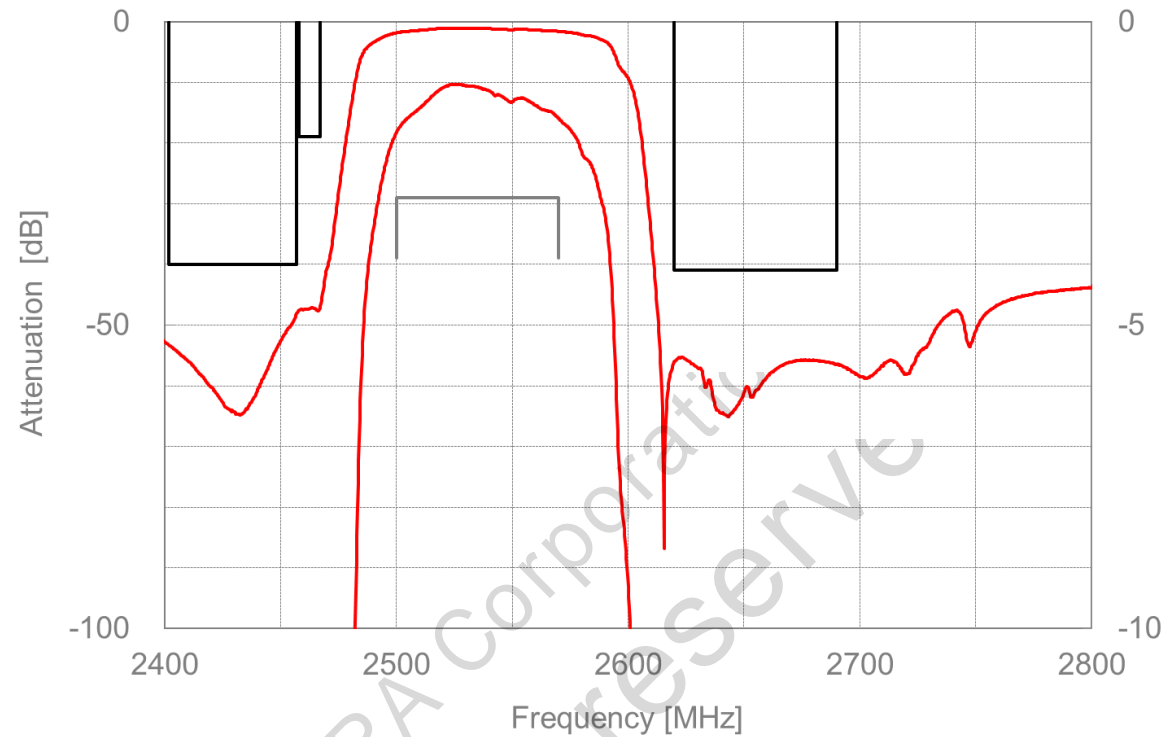
Electrical Characteristics

Items		Frequency (MHz)	Characteristics			Unit	Notes
			Min.	Typ.	Max.		
Tx to Ant	Insertion Loss	2500 - 2570	-	1.8	2.9	dB	
	Ripple	2500 - 2570	-	0.8	2.0	dB	
	VSWR	2500 - 2570	-	1.5	2.2		
	Attenuation	832 - 862	40	62	-	dB	B20 Tx CA
		1559 - 1563	35	47	-	dB	Compass
		1565.42 - 1573.37	35	47	-	dB	Wideband GPS Lower
		1573.37 - 1577.47	35	47	-	dB	GPS main
		1577.47 - 1585.42	35	46	-	dB	Wideband GPS Upper
		1597.55 - 1605.89	35	46	-	dB	GLONASS
		1710 - 1785	32	44	-	dB	B3 Tx CA
		1805 - 1880	32	43	-	dB	B3 Rx
		2110 - 2170	32	41	-	dB	B1 Rx
		2403 - 2466	33	49	-	dBint ^{*1)}	WLAN CH1-10
		2453 - 2471	18	46	-	dBint ^{*1)}	WLAN CH11
		2458 - 2476	9	35	-	dBint ^{*1)}	WLAN CH12
		2463 - 2481	6	22	-	dBint ^{*1)}	WLAN CH13
		2403 - 2466	34	49	-	dBint ^{*1)}	WLAN CH1-10, +23 to 27deg.C
		2453 - 2471	32	46	-	dBint ^{*1)}	WLAN CH11, +23 to 27deg.C
		2458 - 2476	24	35	-	dBint ^{*1)}	WLAN CH12, +23 to 27deg.C
		2463 - 2481	13	22	-	dBint ^{*1)}	WLAN CH13, +23 to 27deg.C
		2402 - 2442	40	53	-	dB	ISM
		2442 - 2457	40	48	-	dB	ISM
		2458 - 2467	19	47	-	dB	ISM
		2620 - 2690	45	55	-	dB	Rx
		5000 - 5140	30	53	-	dB	2f
		7500 - 7710	20	25	-	dB	3f
Ant to Rx	Insertion Loss	2620 - 2690	-	1.8	2.7	dB	
	Ripple	2620 - 2690	-	0.7	2.0	dB	
	VSWR	2620 - 2690	-	1.5	2.2		
	Attenuation	718 - 748	40	62	-	dB	B28 Tx CA
		814 - 862	40	60	-	dB	B26/B20 Tx CA
		880 - 915	40	59	-	dB	B8 Tx CA
		1710 - 1785	40	47	-	dB	B3 Tx CA
		1920 - 1980	40	46	-	dB	B1 Tx CA
		2402 - 2470	41	54	-	dB	WLAN coexistence
		2500 - 2570	45	53	-	dB	Tx
		2775 - 6000	35	48	-	dB	
		4900 - 5950	40	48	-	dB	ISM 5G
Tx to Rx	Isolation	2500 - 2570	53	56	-	dB	
		2620 - 2690	50	55	-	dB	

*1) dBint : Integrated any 18MHz

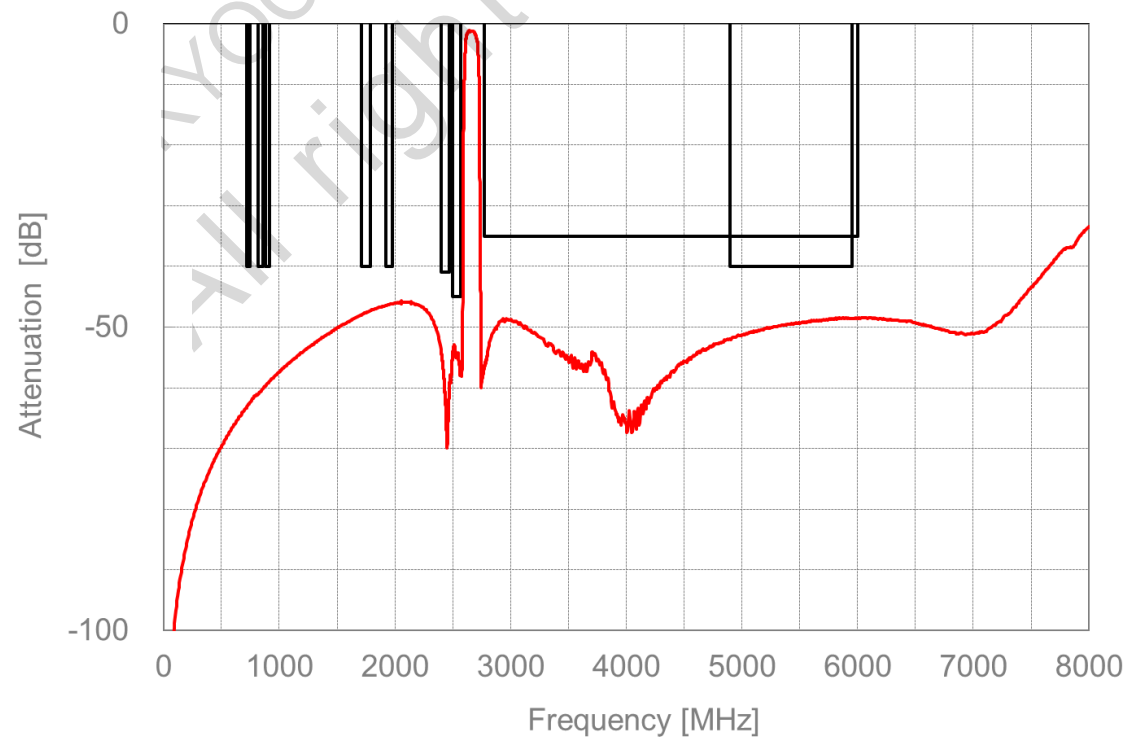
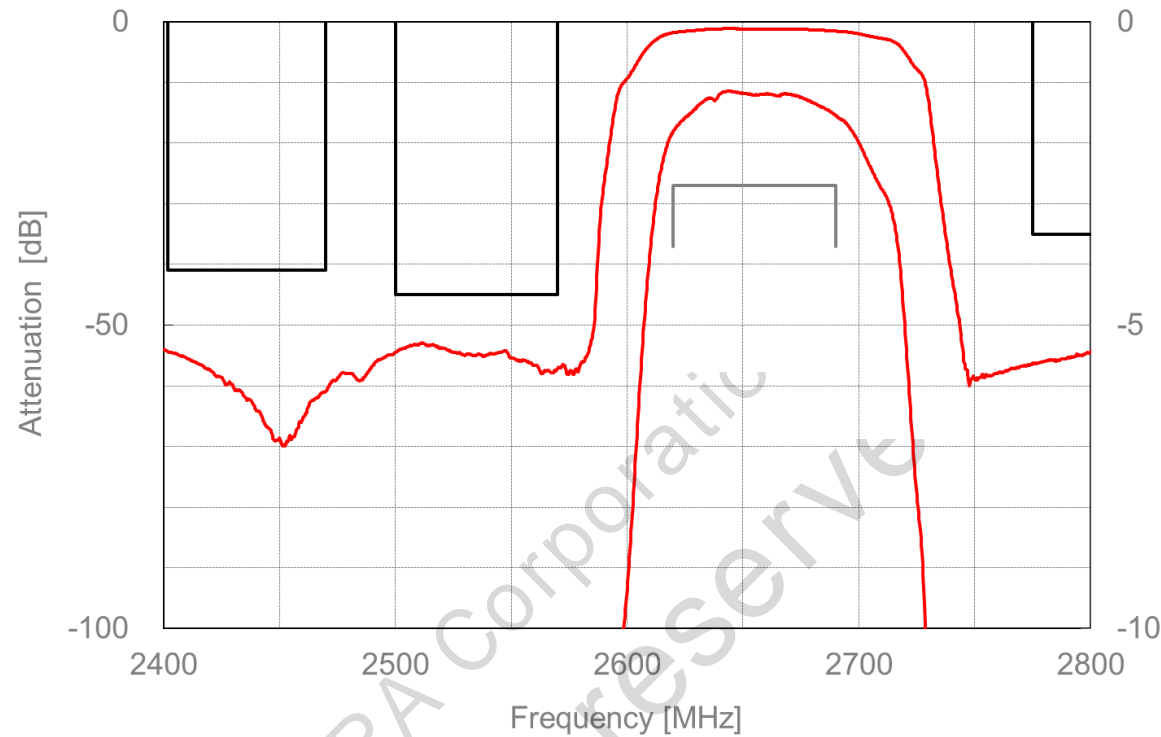
Electrical Characteristics

[Tx to Ant]



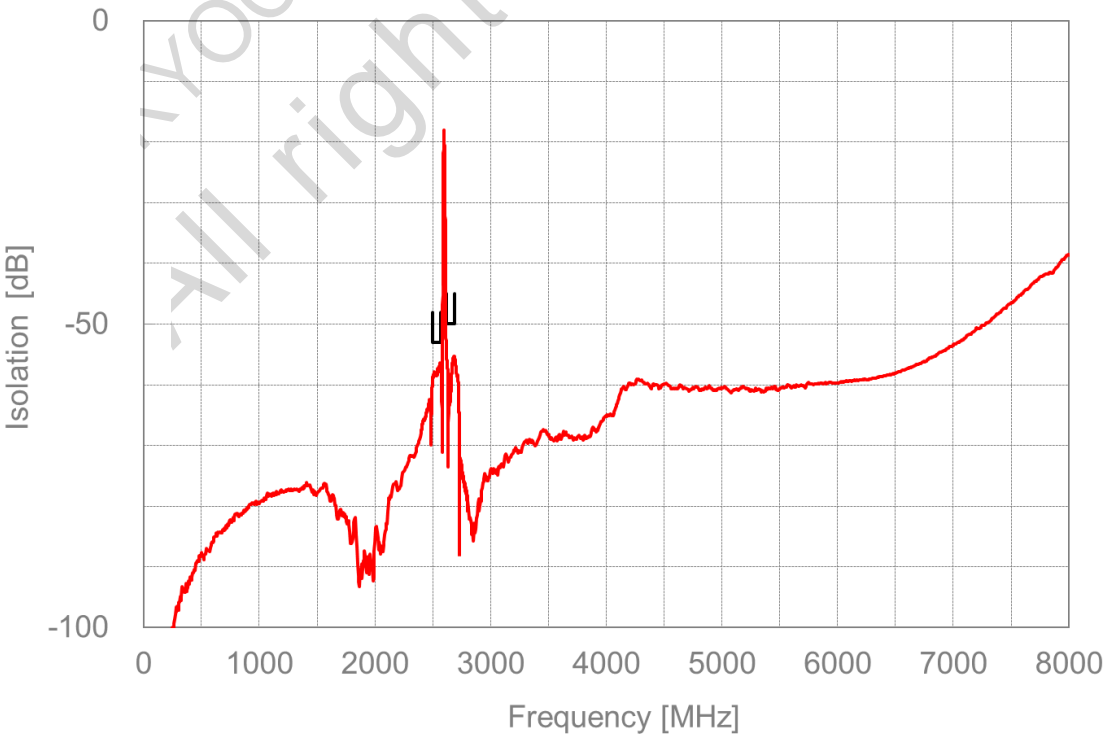
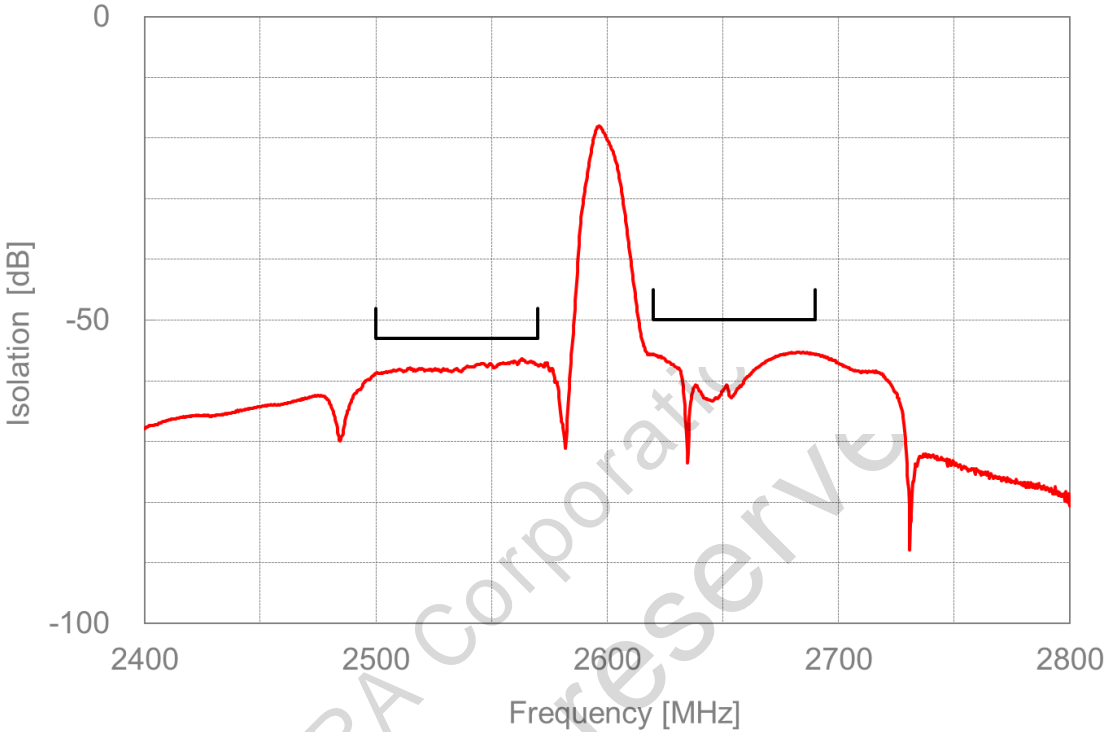
Electrical Characteristics

[Ant to Rx]

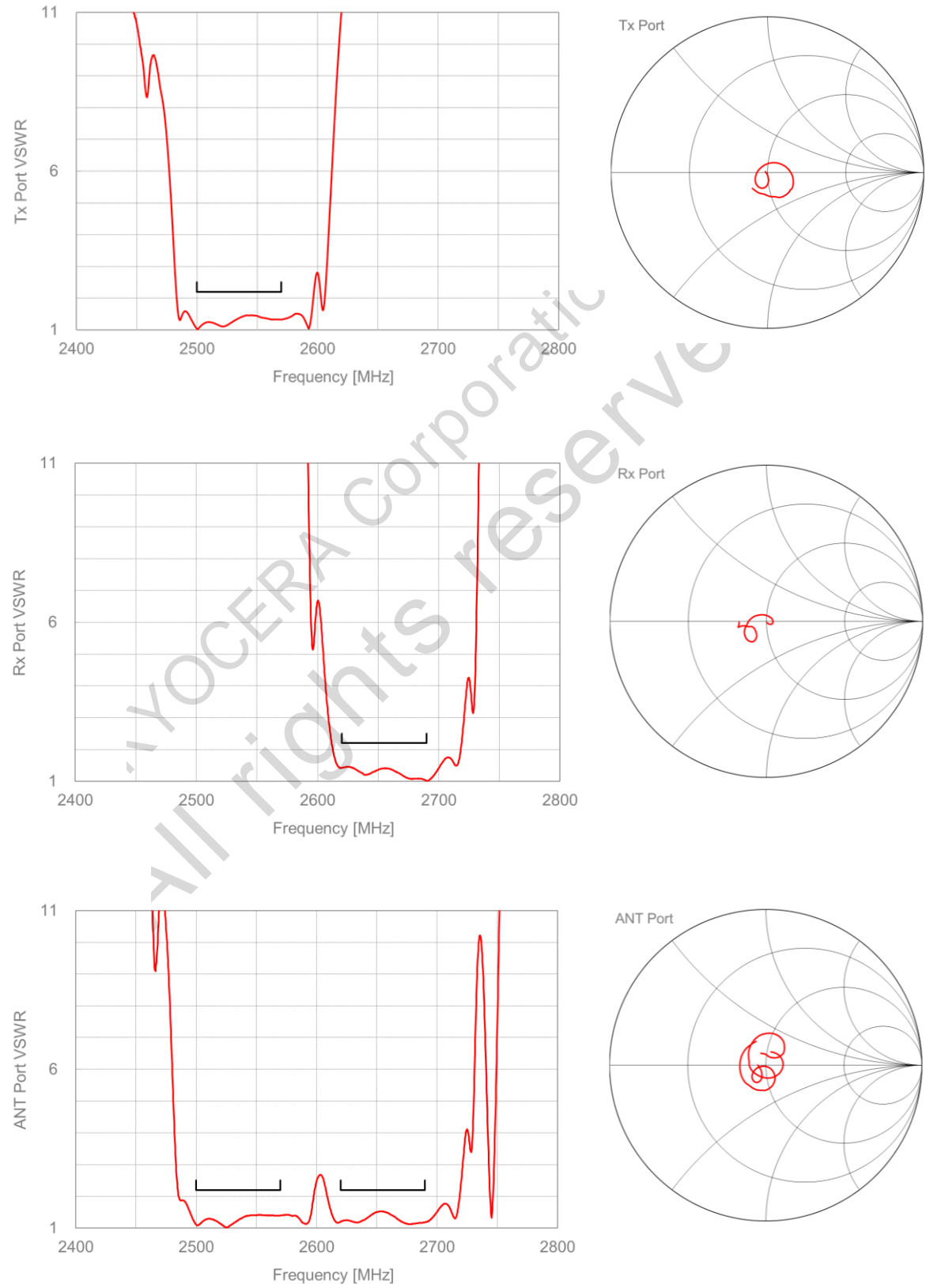


Electrical Characteristics

[Tx to Rx]

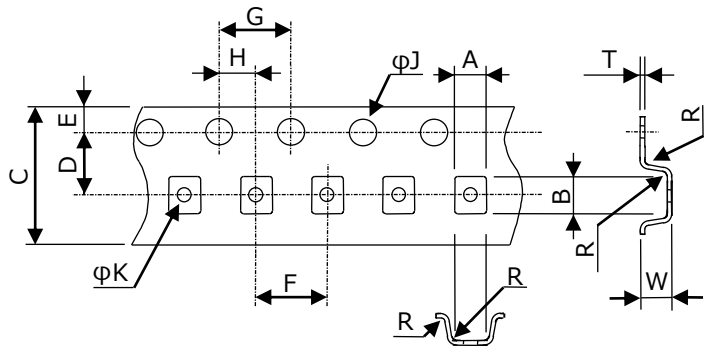


Electrical Characteristics



Tape & Reel Specification

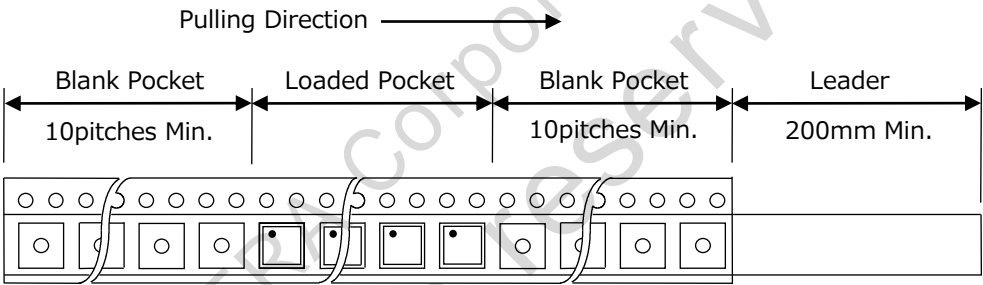
[Tape]



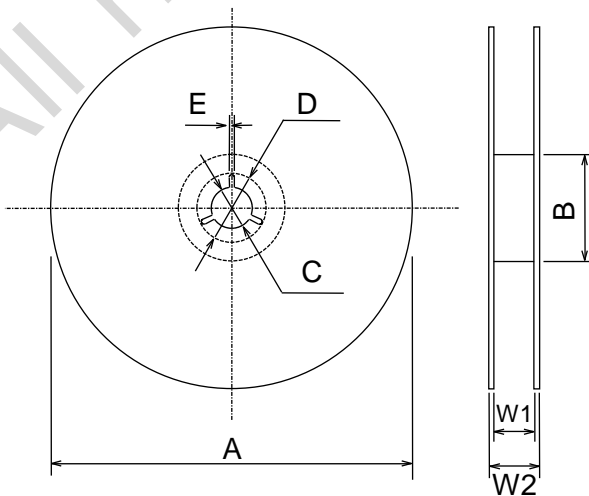
Unit : mm

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
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	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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