

Datasheet of SAW Duplexer 2520 Band66(4) for Base station

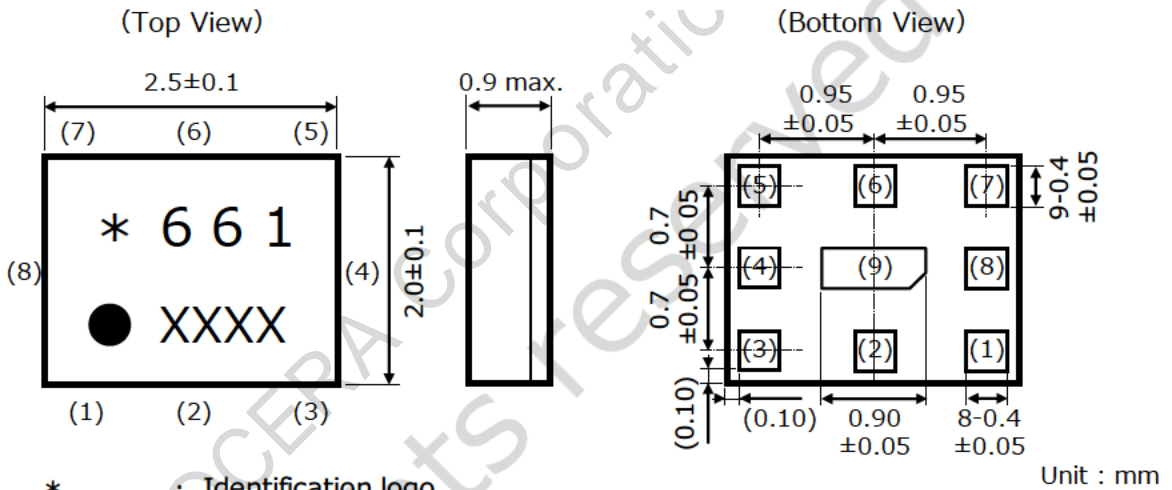
KYOCERA Part No. : SD25 2155R9UUA1

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Rating

Items	Rating	Unit	Note
Operating Temperature Range	-40 to +95	deg.C	
Storage Temperature Range	-40 to +95	deg.C	
Max Input Power (Tx port)	+29	dBm	LTE 5MHz (PAR=8.0dB) 10 years @95deg.C
Tx Port Nominal Impedance	50//4.3nH	ohm	Unbalance
Ant. Port Nominal Impedance	50//3.0nH	ohm	Unbalance
Rx Port Nominal Impedance	50//6.8nH	ohm	Unbalance

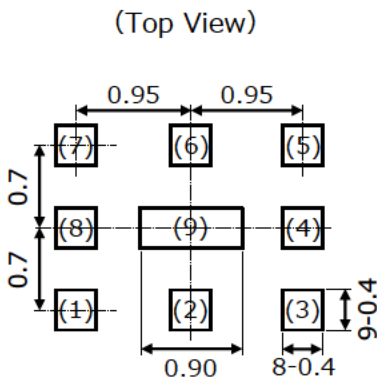
Dimensions



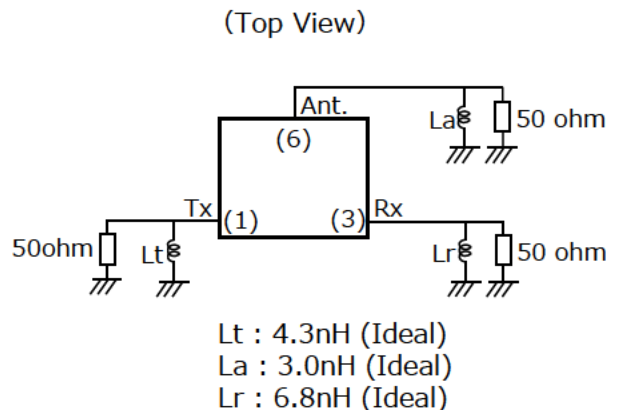
- * : Identification logo
- 661 : Identification no.
- : Index mark of pin 1
- XXXX : Production code

Pin No.	Function
(1)	Tx
(3)	Rx
(6)	Ant.
Others	GND

Recommendable Land Pattern



Measurement Circuit

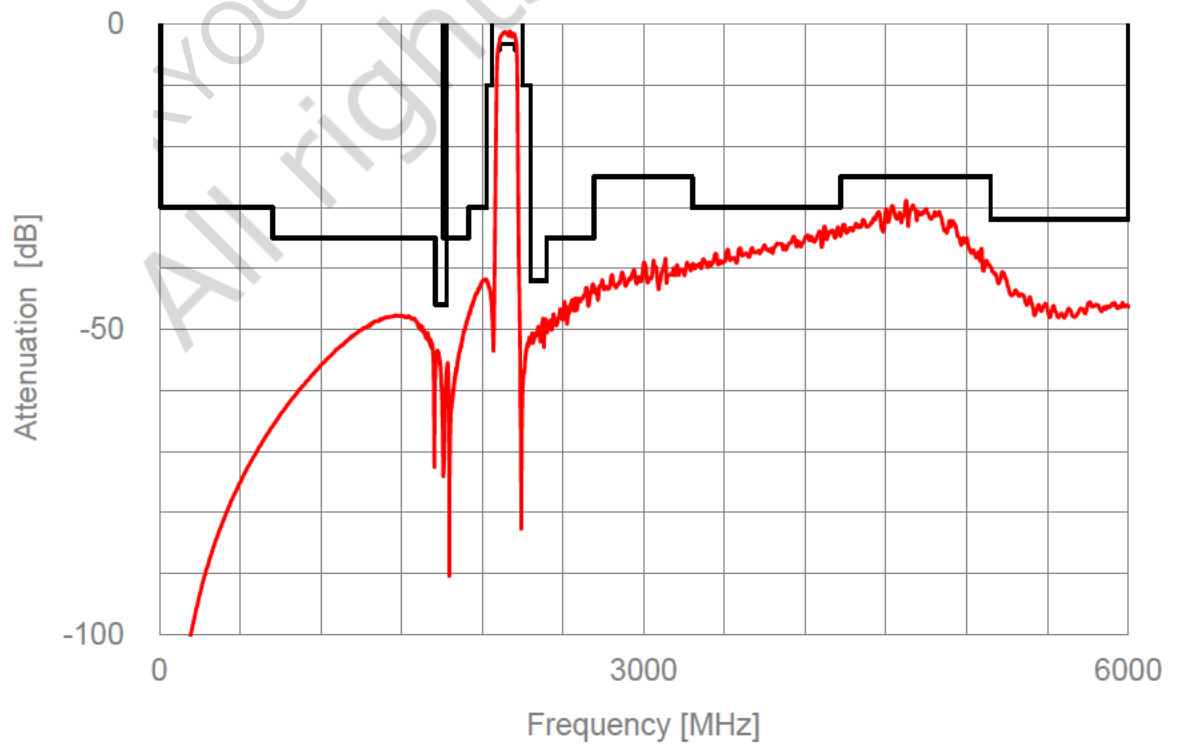
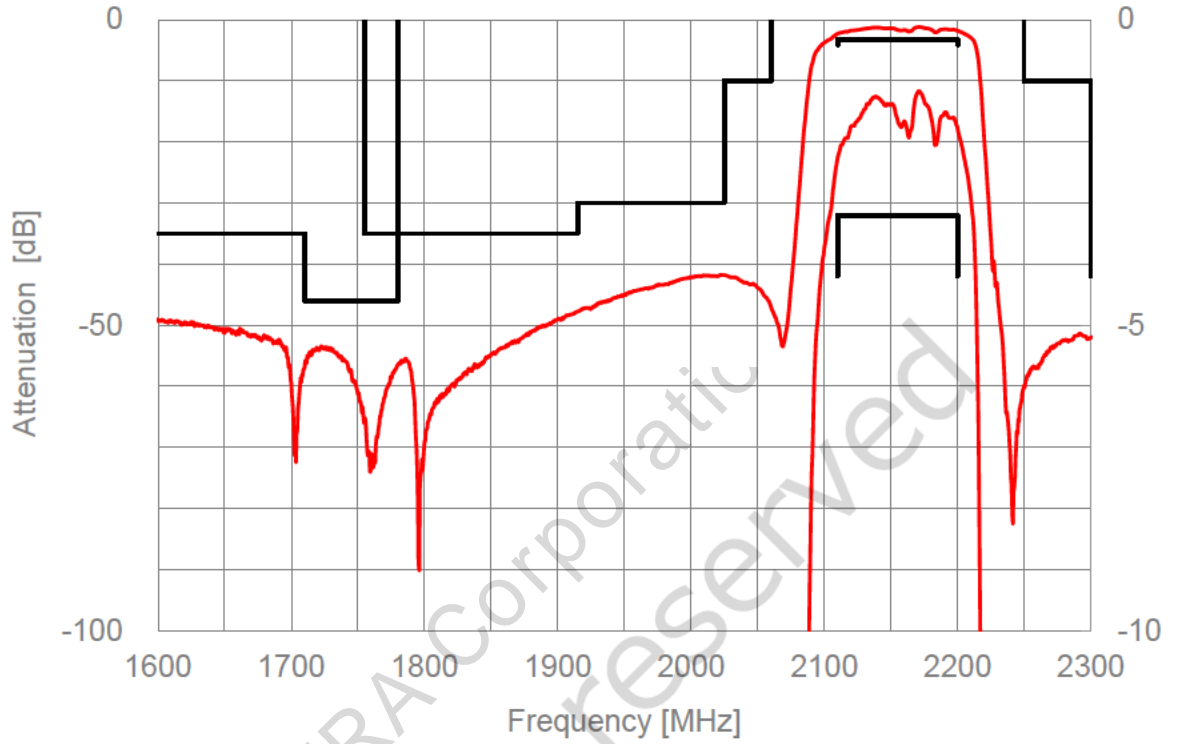


Electrical Characteristics

ITEMS		Frequency (MHz)	Characteristics			Unit	Note
			min.	typ.	max.		
Tx to Ant	Insertion Loss	2110 - 2200	/	2.0	3.2	dB	Average over any 10MHz
	Ripple	2110 - 2200	/	1.1	2.7	dB	
	VSWR (Tx)	2110 - 2200	/	1.6	2.2	-	
	VSWR (Ant)	2110 - 2200	/	1.5	2.2	-	
	Absolute Attenuation	10 - 700	30	66	/	dB	
		700 - 960	35	57	/	dB	
		960 - 1710	35	48	/	dB	
		1710 - 1780	46	53	/	dB	
		1755 - 1850	35	55	/	dB	
		1850 - 1915	35	48	/	dB	
		1915 - 2025	30	42	/	dB	
		2025 - 2060	10	42	/	dB	
		2250 - 2300	10	51	/	dB	
		2300 - 2400	42	48	/	dB	
		2400 - 2484	35	47	/	dB	
		2484 - 2690	35	43	/	dB	
		2690 - 3300	25	38	/	dB	
3300 - 4220	30	33	/	dB			
4220 - 5150	25	29	/	dB			
5150 - 6000	32	40	/	dB			
Ant to Rx	Insertion Loss	1710 - 1780	/	1.7	2.6	dB	Average over any 5MHz
	Ripple	1710 - 1780	/	1.2	2.5	dB	
	VSWR (Rx)	1710 - 1780	/	1.3	2	-	
	VSWR (Ant)	1710 - 1780	/	1.4	2	-	
	Absolute Attenuation	10 - 960	35	53	/	dB	
		960 - 1600	30	45	/	dB	
		1600 - 1690	15	30	/	dB	
		1800 - 1930	10	28	/	dB	-40~-20°C
			12			dB	-20+95°C
		1930 - 1995	40	46	/	dB	
		1995 - 2110	25	47	/	dB	
		2110 - 2200	45	49	/	dB	
		2155 - 2300	25	47	/	dB	
		2300 - 2400	40	46	/	dB	
		2400 - 2690	38	43	/	dB	
		2690 - 3300	25	37	/	dB	
		3300 - 5150	20	38	/	dB	
5150 - 6000	15	27	/	dB			
Tx to Rx	Isolaion	1710 - 1780	50	55	/	dB	Average over any 5MHz
		2110 - 2200	48	54	/	dB	Average over any 5MHz

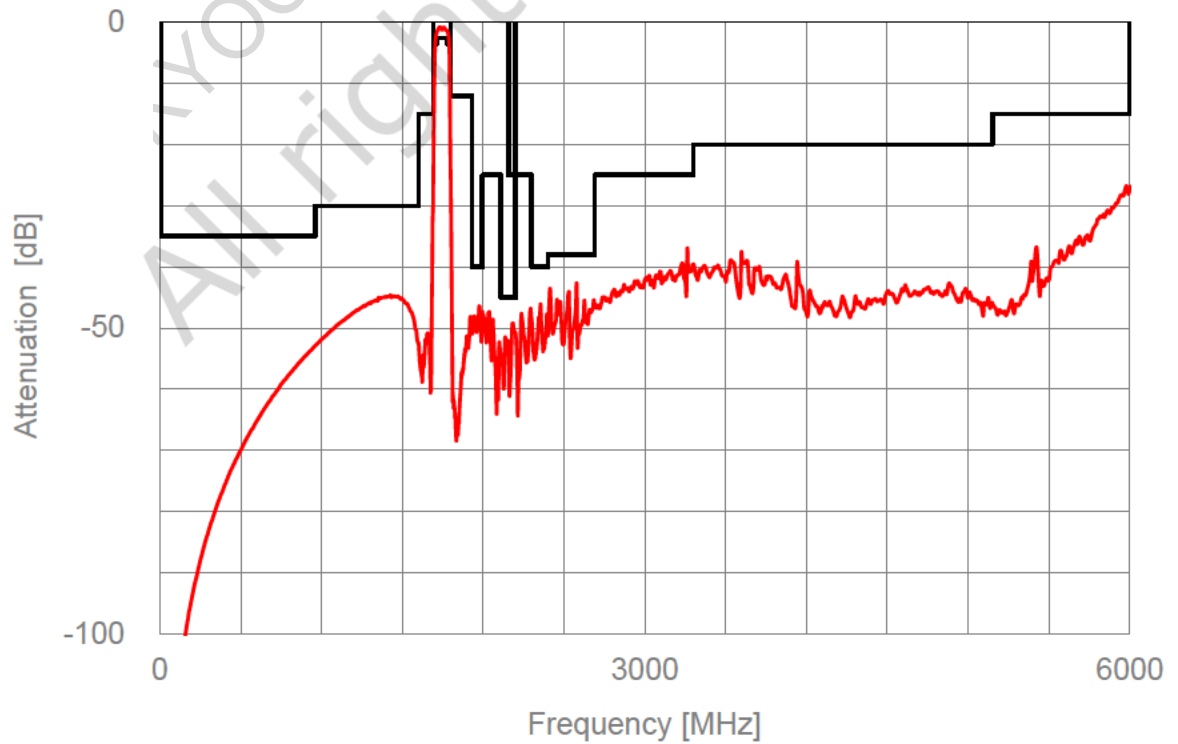
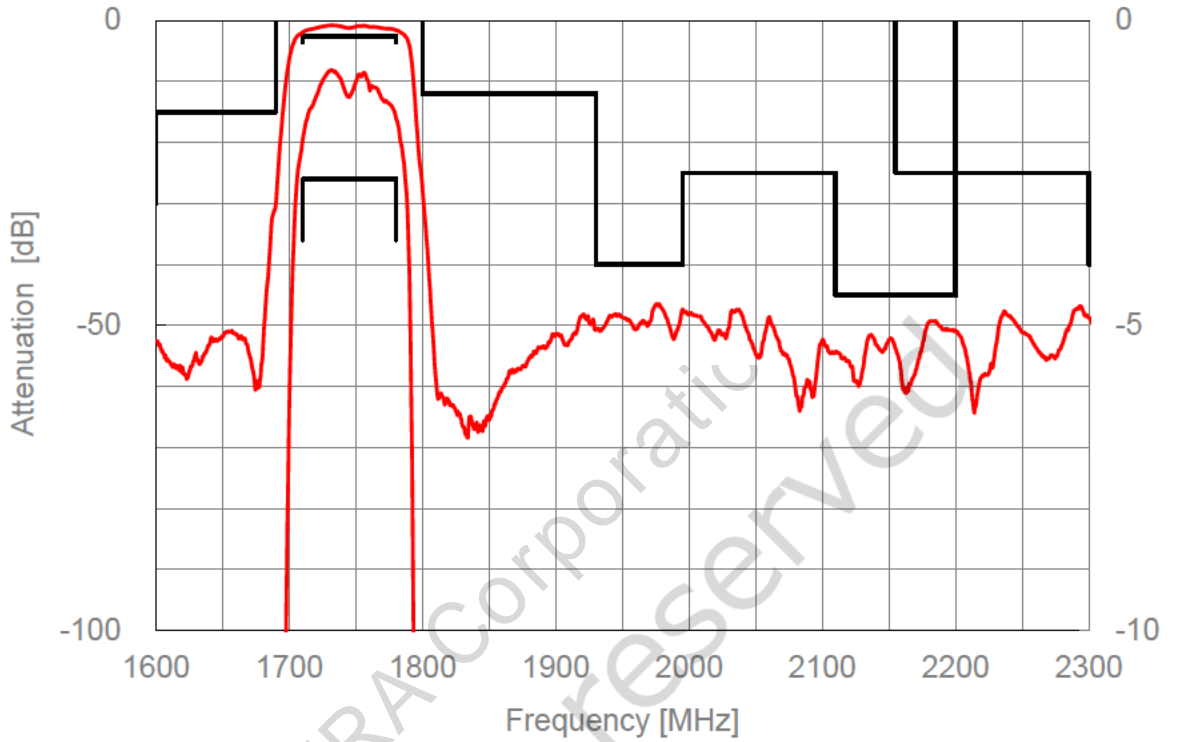
Electrical Characteristics

[Tx to Ant]



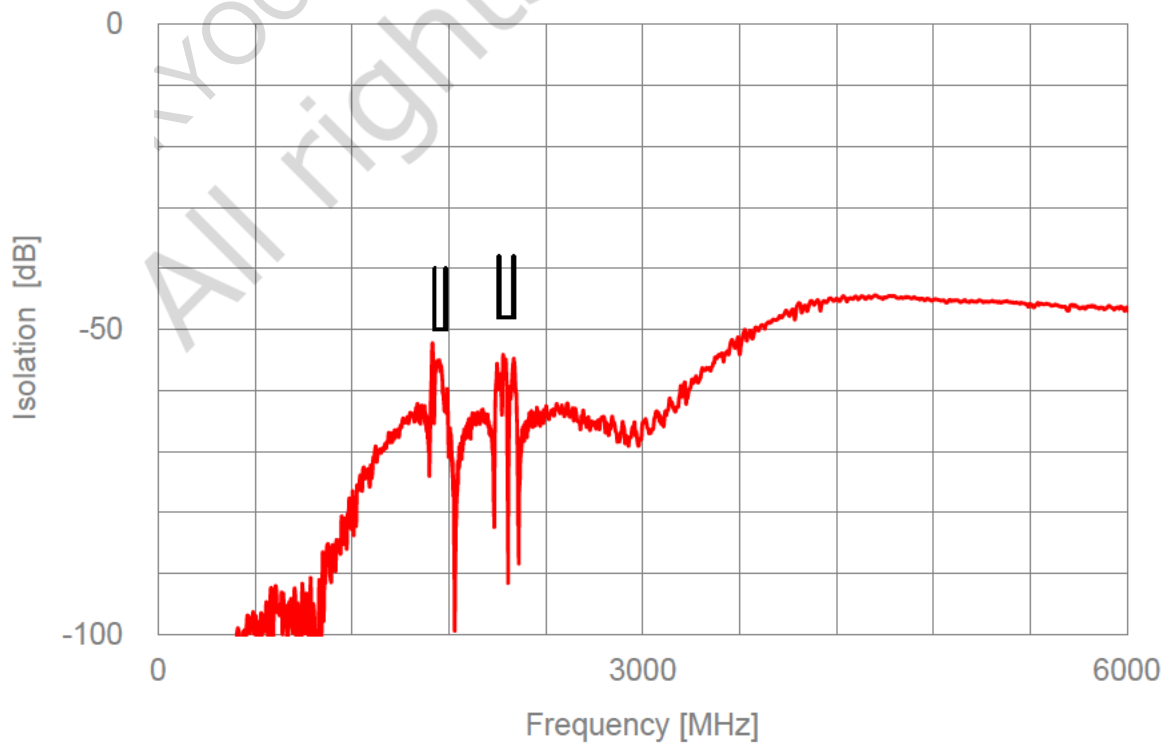
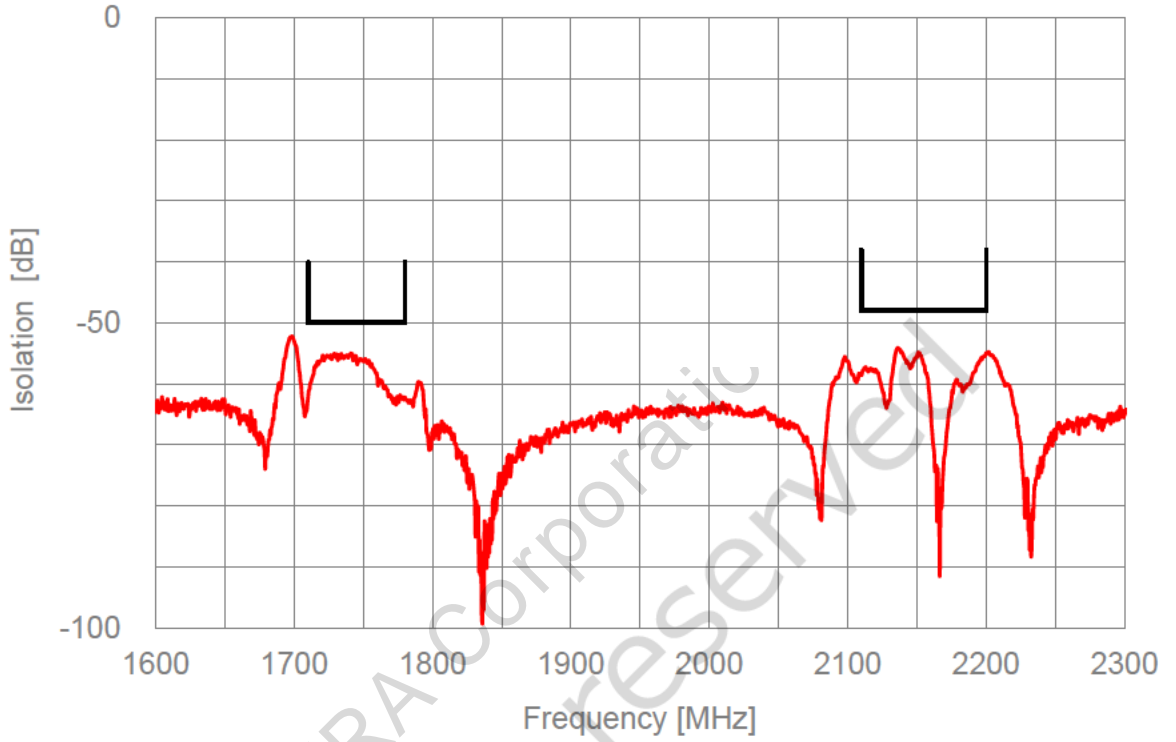
Electrical Characteristics

[Ant to Rx]

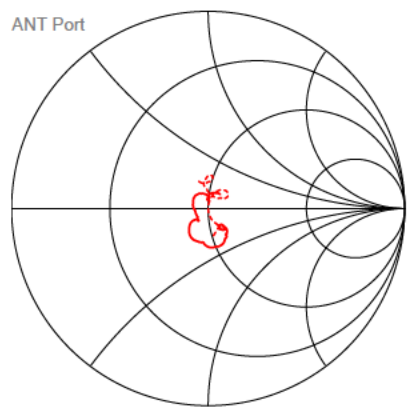
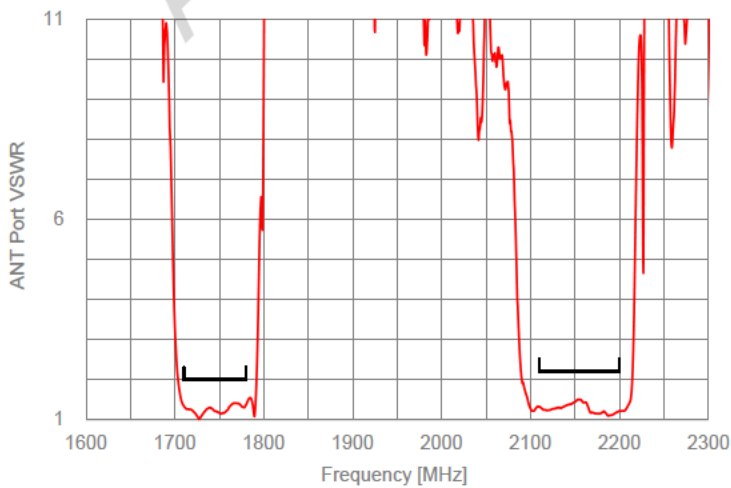
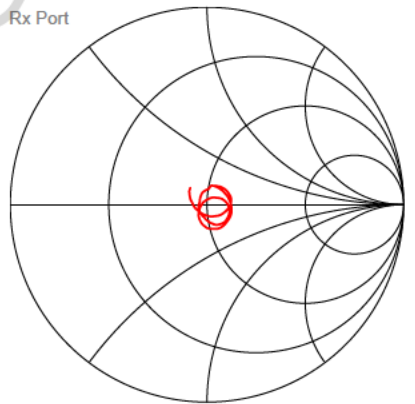
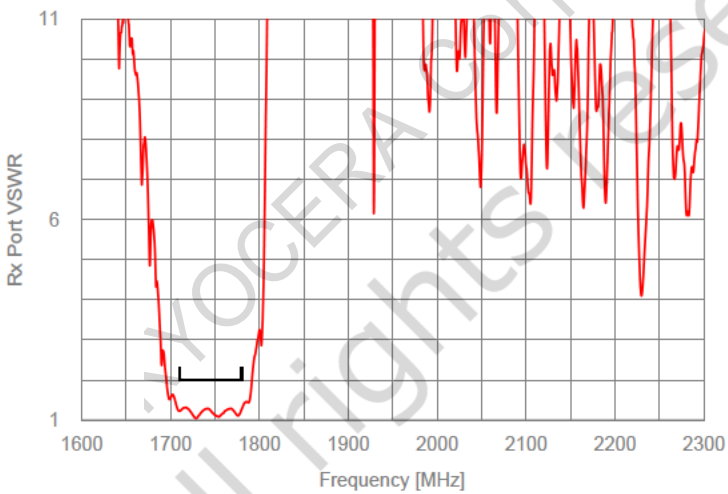
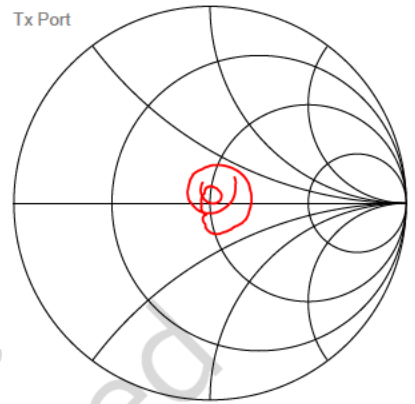
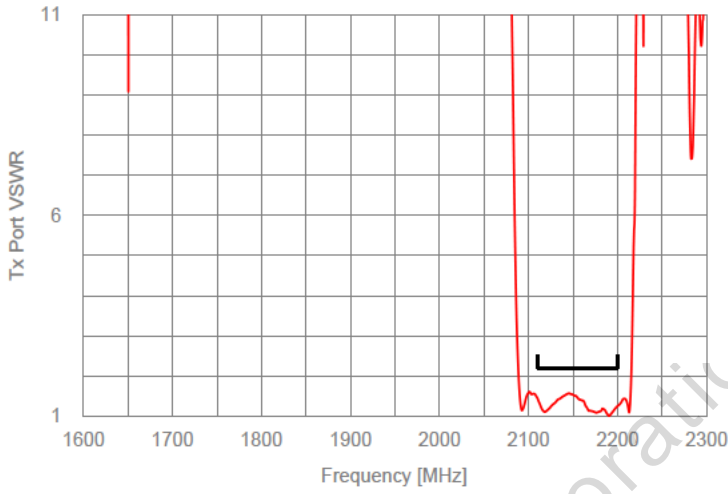


Electrical Characteristics

[Tx to Rx]

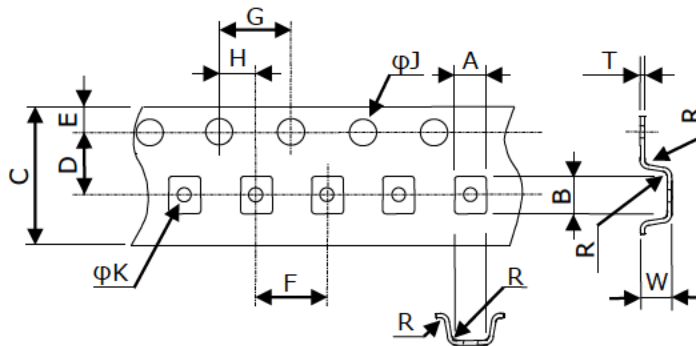


Electrical Characteristics



Tape & Reel Specification

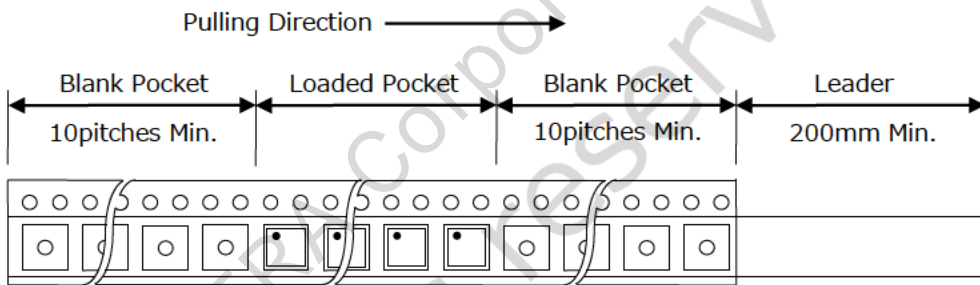
[Tape]



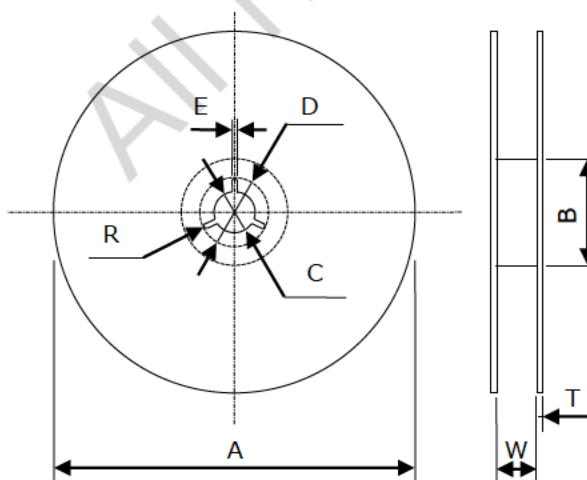
Unit : mm

Part	Dimension
A	2.3±0.1
B	2.8±0.1
C	8.0±0.1
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
φK	1.0±0.1
R	0.3 Max
W	0.9±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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