

Datasheet of SAW Duplexer 2520 Band8 for Base station

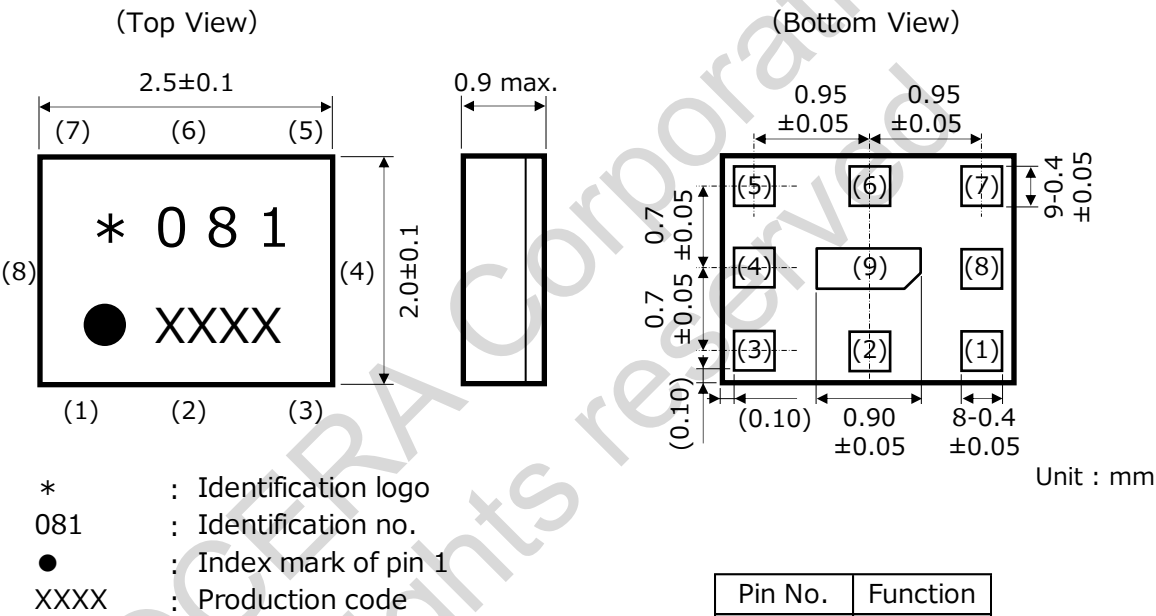
KYOCERA Part No. : SD25-0942R9UUA1

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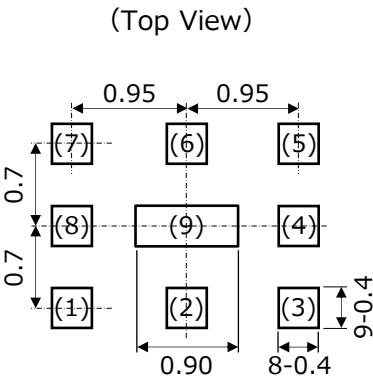
Rating

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)	+30	dBm	LTE 5MHz (PAR=6.95dB) 10 years @95deg.C
Tx Port Nominal Impedance	50+3.0nH	ohm	Unbalance
Ant. Port Nominal Impedance	50//11nH	ohm	Unbalance
Rx Port Nominal Impedance	50+1.0nH	ohm	Unbalance

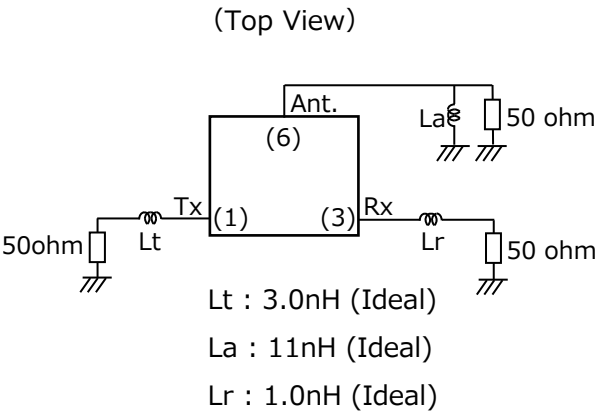
Dimensions



Recommendable Land Pattern



Measurement Circuit

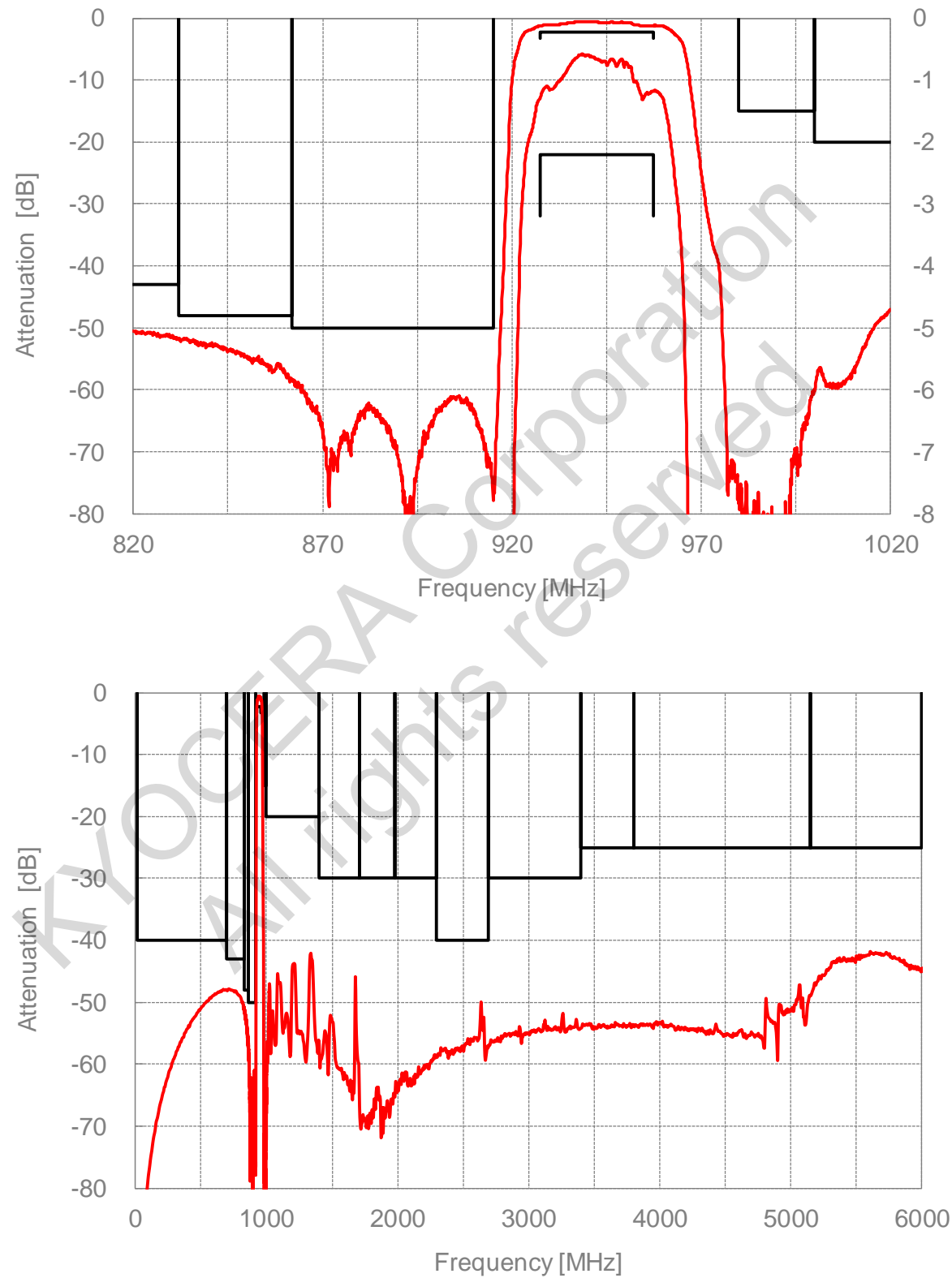


Electrical Characteristics

ITEMS			Frequency (MHz)		Characteristics			Unit	Note	
					min.	typ.	max.			
Tx to Ant	Insertion Loss		925	-	960	-	1.3	2.2	dB	Average over any 5MHz
	Ripple(any 5MHz)		925	-	960	-	0.8	2.2	dB	
	VSWR	Tx	925	-	960	-	1.6	2.1	-	
		Ant	925	-	960	-	1.8	2.5	-	
	Attenuation		10	-	699	40	48	-	dB	
			699	-	832	43	48	-	dB	
			832	-	862	48	52	-	dB	
			862	-	915	50	58	-	dB	
			980	-	1000	15	60	-	dB	
			1000	-	1400	20	42	-	dB	
			1400	-	1710	30	46	-	dB	
			1710	-	1980	30	64	-	dB	
			1980	-	2300	30	58	-	dB	
			2300	-	2690	40	50	-	dB	
			2690	-	3400	30	52	-	dB	
			3400	-	3800	25	53	-	dB	
3800	-	5150	25	47	-	dB				
		5150	-	6000	25	42	-	dB		
Ant to Rx	Insertion Loss		880	-	915	-	1.4	2.5	dB	Average over any 5MHz
	Ripple(any 5MHz)		880	-	915	-	0.9	2.5	dB	
	VSWR	Rx	880	-	915	-	1.6	2.0	-	
		Ant	880	-	915	-	1.6	2.2	-	
	Attenuation		10	-	699	40	43	-	dB	
			699	-	821	40	43	-	dB	
			821	-	860	15	48	-	dB	
			925	-	960	46	53	-	dB	
			960	-	1805	25	35	-	dB	
			1805	-	1880	40	57	-	dB	
			1880	-	2110	30	55	-	dB	
			2110	-	2690	30	42	-	dB	
			2690	-	3400	25	42	-	dB	
			3400	-	3800	25	41	-	dB	
			3800	-	5150	15	27	-	dB	
					5150	-	6000	20	26	-
TX to RX	Isolation		880	-	915	55	62	-	dB	Average over any 5MHz
			925	-	960	49	61	-	dB	Average over any 5MHz

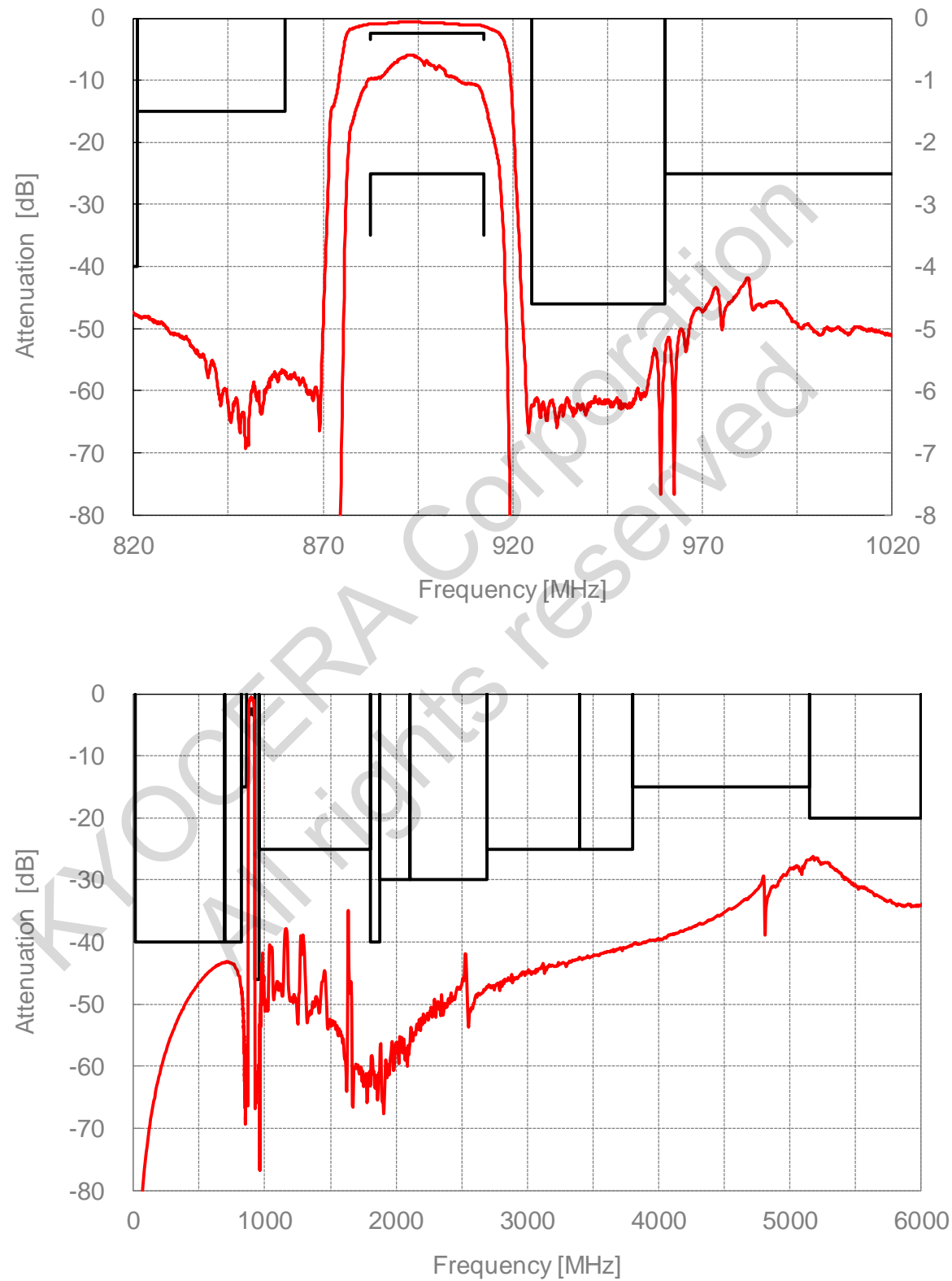
Electrical Characteristics

[Tx to Ant]



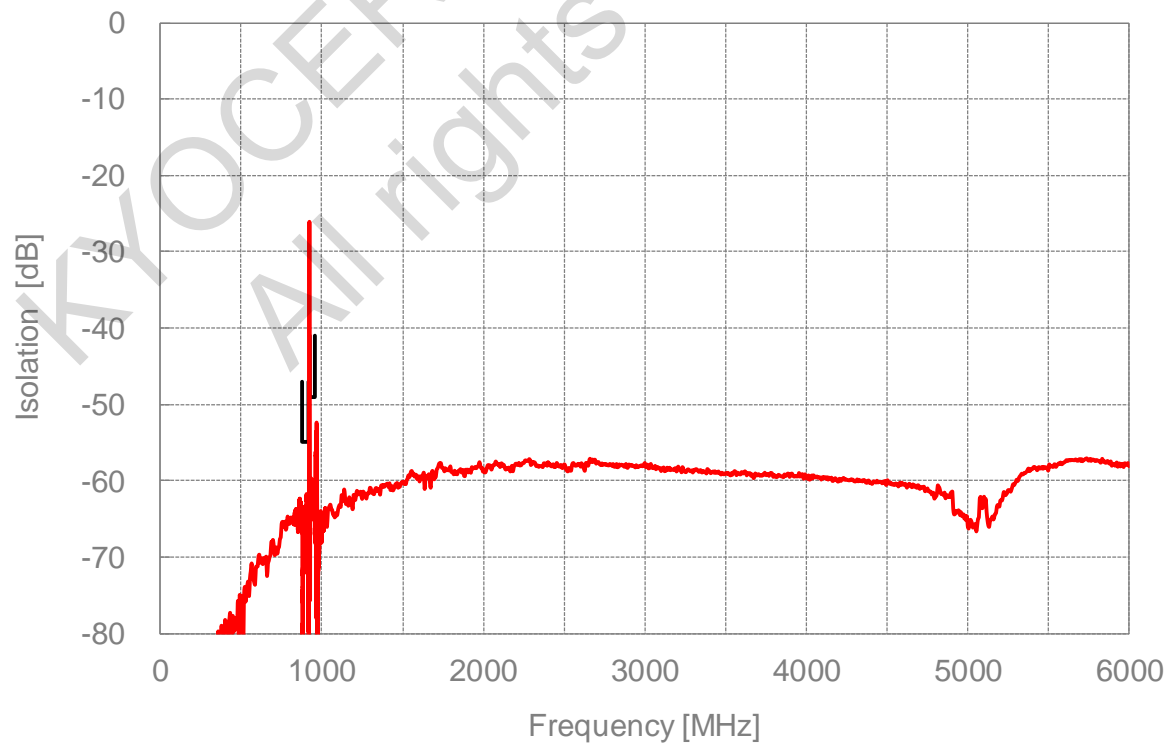
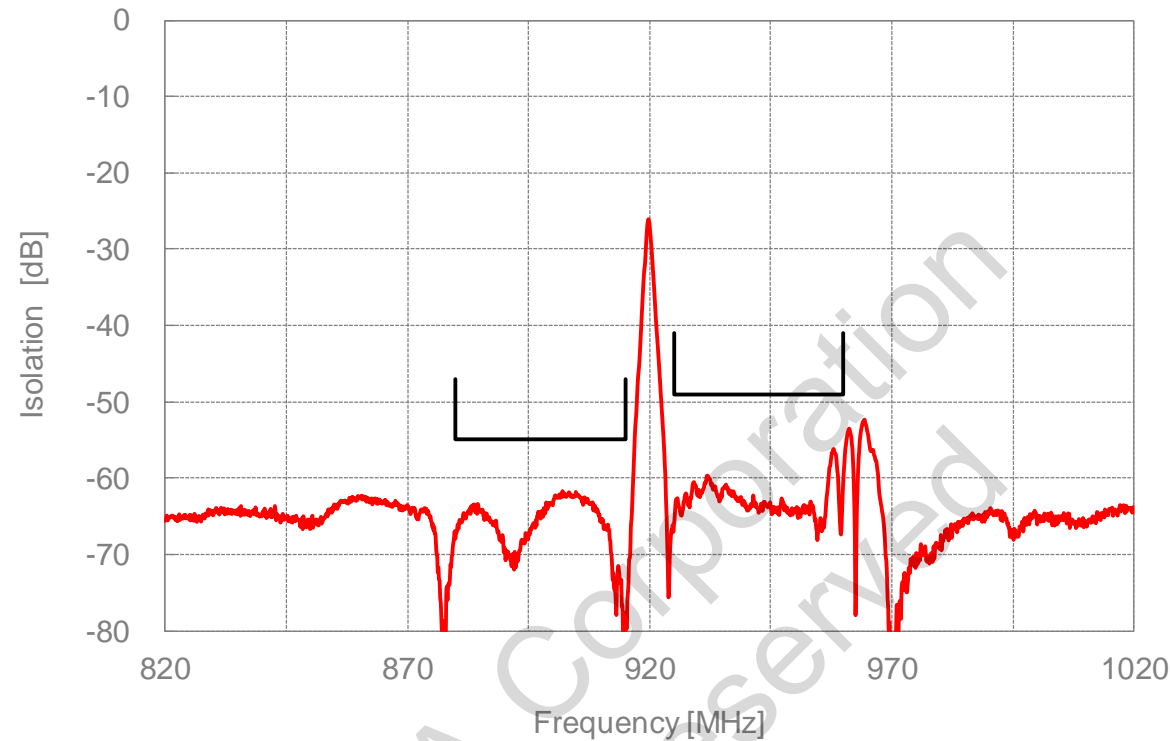
Electrical Characteristics

[Ant to Rx]

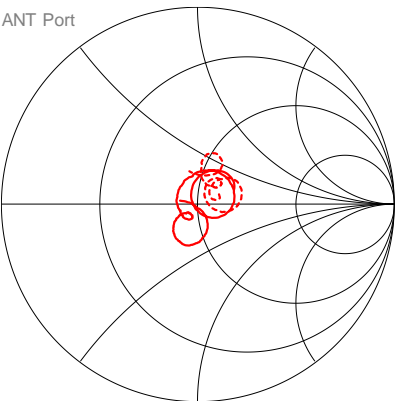
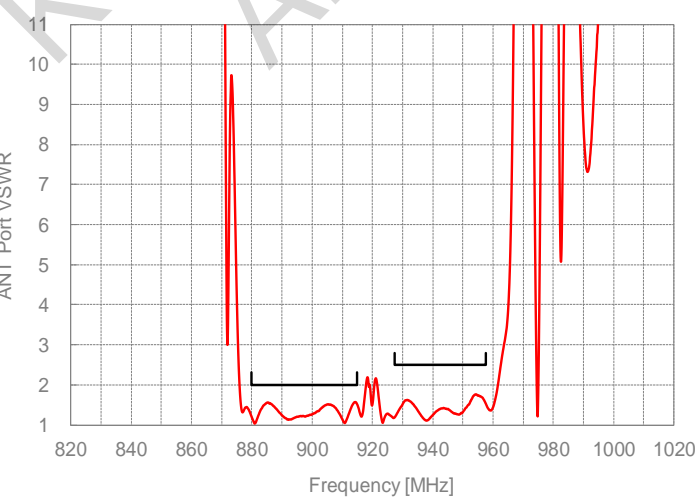
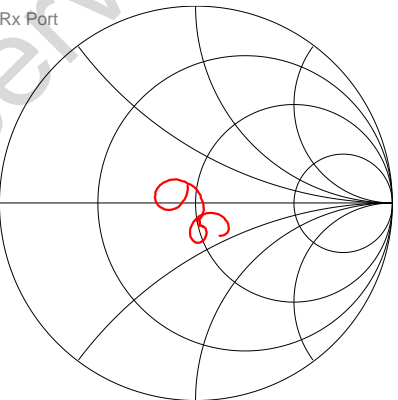
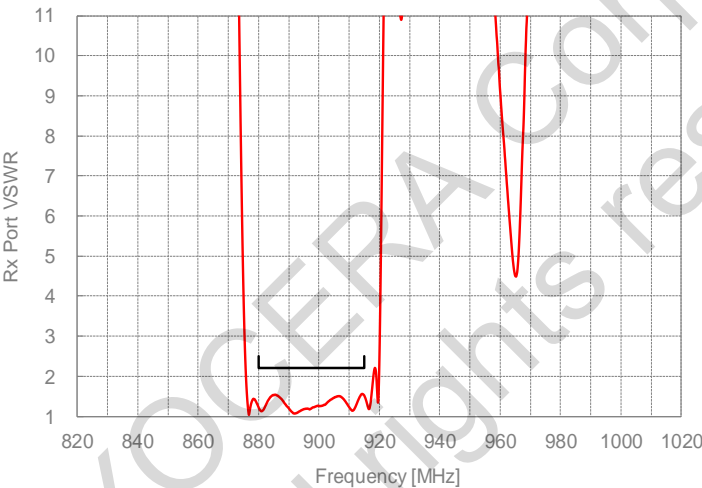
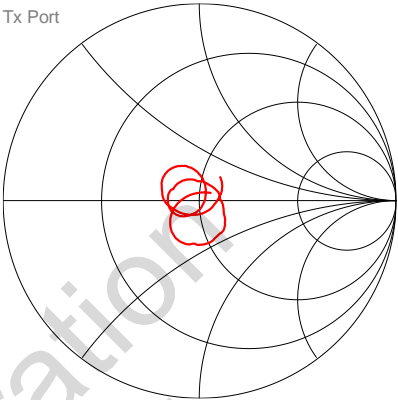
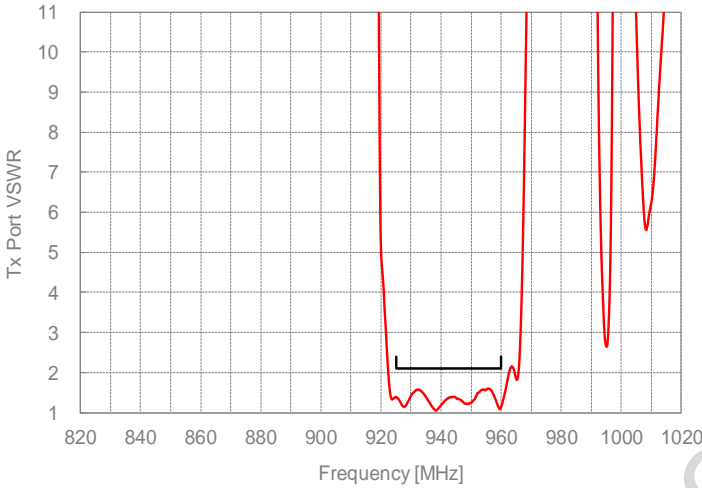


Electrical Characteristics

[Tx to Rx]

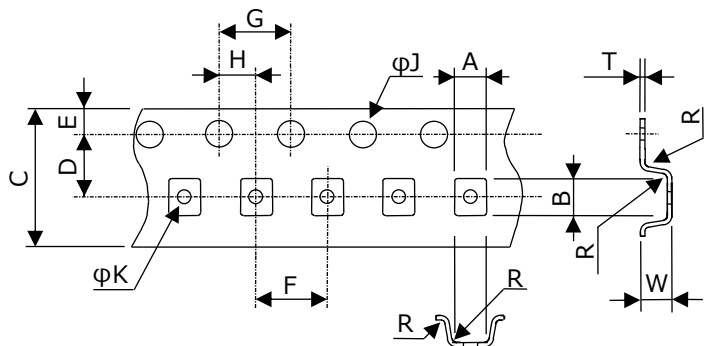


Electrical Characteristics



Tape & Reel Specification

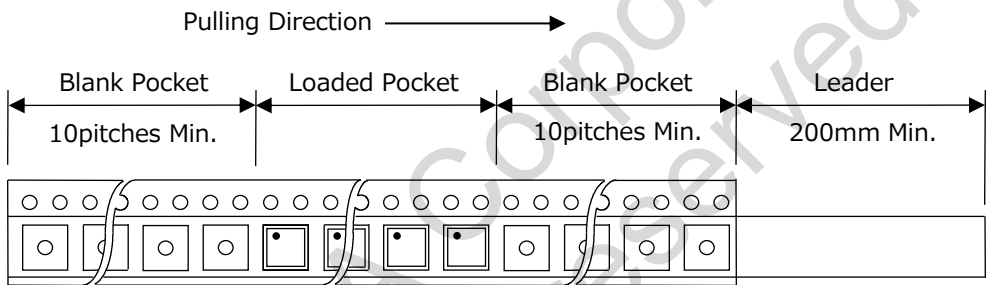
[Tape]



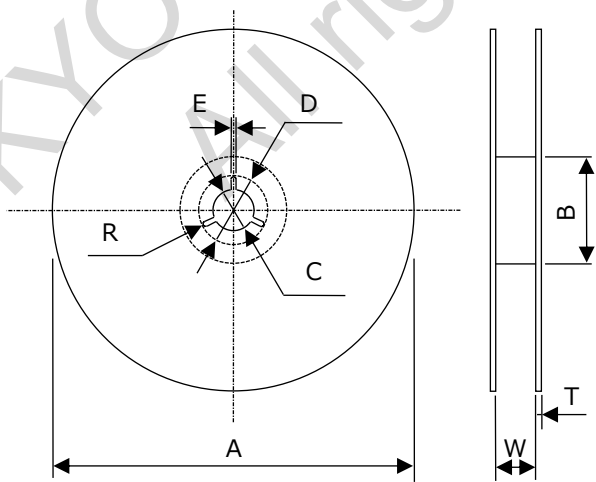
Unit : mm

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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