

RoHS Compliant

Datasheet of SAW Duplexer 2520 Band25(2) for Base station

KYOCERA Part No.: SD25 1962R9UUA1

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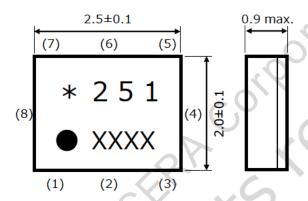


Rating

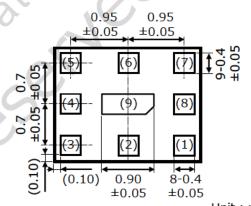
Items	Rating	Unit	Note
Operating Temperature Range	-40 to +95	deg.C	
Storage Temperature Range	-40 to +95	deg.C	
Max Input Power (Tx port)	+30	dBm	LTE 5MHz (PAR=6.95dB) 10 years @95deg.C
Tx Port Nominal Impedance	50	ohm	Unbalance
Ant. Port Nominal Impedance	50//3.3nH	ohm	Unbalance
Rx Port Nominal Impedance	50//6.2nH	ohm	Unbalance

Dimensions





(Bottom View)



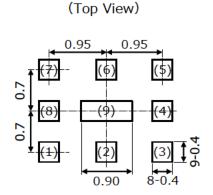
Unit: mm

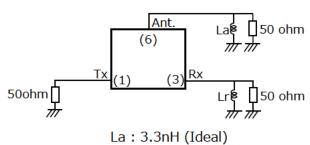
* : Identification logo
251 : Identification no.
• : Index mark of pin 1
XXXX : Production code

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

Recommendable Land Pattern

Measurement Circuit





(Top View)

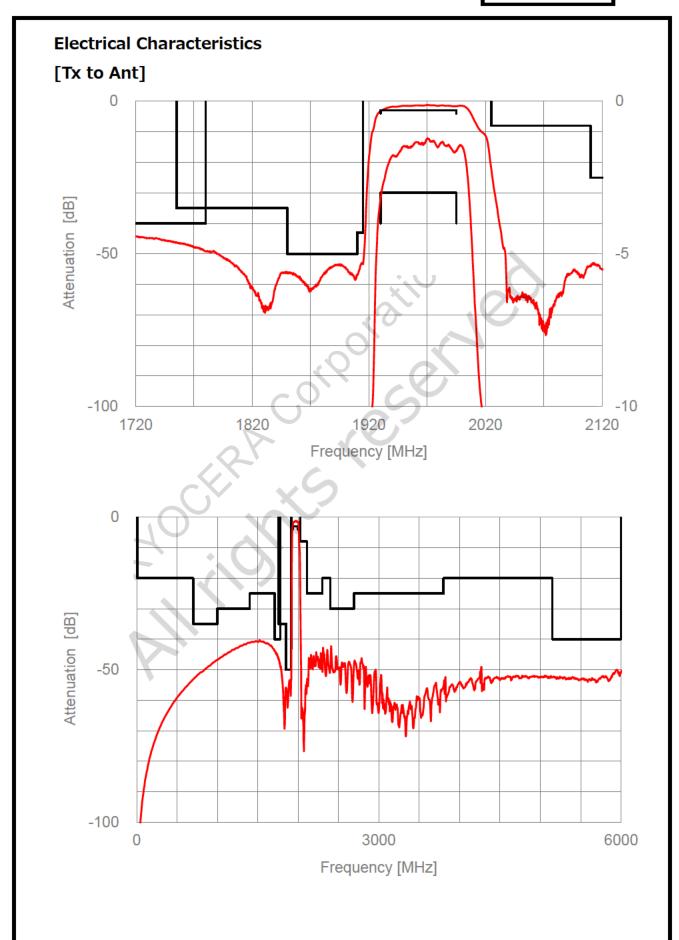
La: 3.3nH (Ideal) Lr: 6.2nH (Ideal)



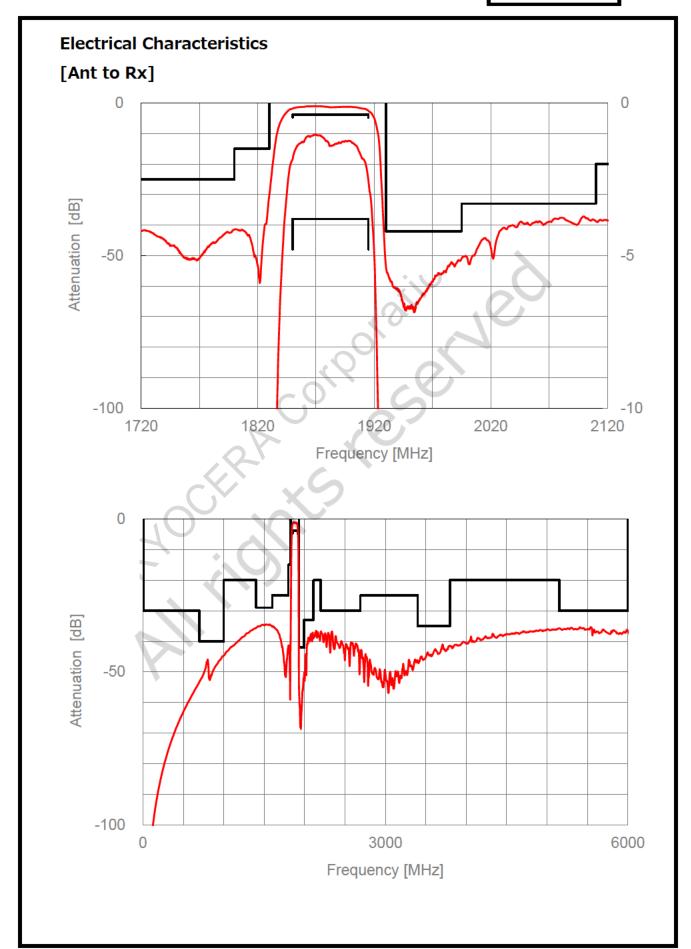
Electrical Characteristics

	ITEMS	Frequency Range		Characteristics			Unit	Note	
1.2.10			(MHz)		Min.	Min. Typ.	Max.	Offic	Note
to Ant	Average Insertion Loss (Over any 10MHz)		1930 - 1995		-	2.3	3.0	dB	Over any 10MHz average
	Ripple		1930 -	1995	-	2.0	3.7	dB	
	VSWR	Tx	1930 -	1995	-	1.7	2.2	-	
	VSWK	Ant	1930 -	1995	-	1.7	2.3	-	
	Attenaution		10 -	700	20	53	-	dB	
			700 -	1000	35	47	-	dB	
			1000 -	1400	30	41	-	dB	
			1400 -	1710	25	40	-	dB	
			1710 -	1780	40	44	-	dB	
		l	1755 -	1850	35	46	-	dB)
			1850 -	1910	50	53	- (dB	
		l	1910 -	1915	43	54	-	dB	Over any 5MHz average
			2025 -	2110	8	22		dB	
			2110 -	2300	25	44	-	dB	
			2300 -	2400	20	43	, -	dB	
		ı	2400 -	2690	30	42	-	dB	
			2690 -	3800	25	46	-	dB	
			3800 -	4200	20	52	-	dB	
			4200 -	5150	20	49	-	dB	
	A Varantian		5150 -	6000	40	50	-	dB	
Ant to Rx	Average Insertion I (Over any 5MHz)	LOSS	1850 -	1915	-	2.0	3.8	dB	Over any 5MHz Average
	Ripple		1850	1915	-	1.5	2.9	dB	
	VSWR	Rx	1850 -	1915	-	1.3	2.2	-	
	15	Ant	1850 -	1915	-	1.4	2.4	-	
Attenauti	Attenaution		0	700	30	53	-	dB	
			700 -	1000	40	45	-	dB	
			1000 -	1400	20	36	-	dB	
			1400 -	1600	29	34	-	dB	
		Ť	1600 -	1800	25	35	-	dB	
			1800 -	1830	15	30	-	dB	5411
			1930 -	1995	42	52	-	dB	Over any 5MHz average -20~+95degC
			1930 -	1995	32	52	-	dB	Over any 5MHz average -40~-20degC
			1995 -	2110	33	37	-	dB	
			2110 -	2200	20	37	-	dB	
		ļ	2200 -	2690	30	37	-	dB	
		ļ	2690 -	3400	25	43	-	dB	
			3400 -	3800	35	41	-	dB	
			3800 -	5150	20	36	-	dB	
	<u> </u>		5150 -	6000	30	35	-	dB	
to Rx	Average Isolation		1850 -	1910	50	54	-	dB	Over any 5MHz average
	(over any 5MHz)		1910 -	1915	49	59	-	dB	
			1930 -	1995	37	54		dB	Over any 5MHz average -20~+95degC
			1930 -	1995	31	54	-	dB	Over any 5MHz average -40~-20degC

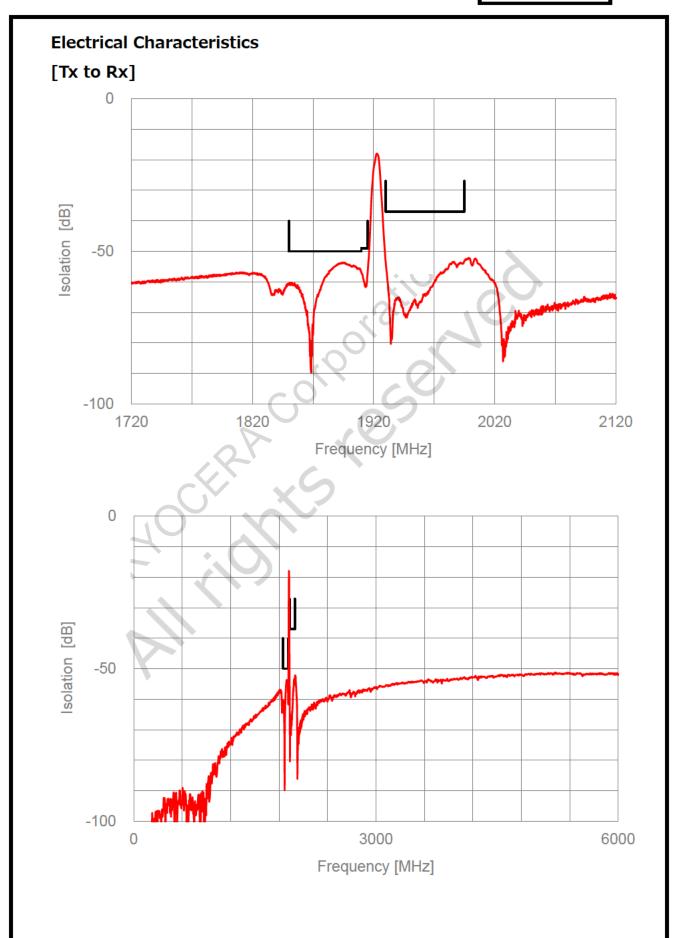




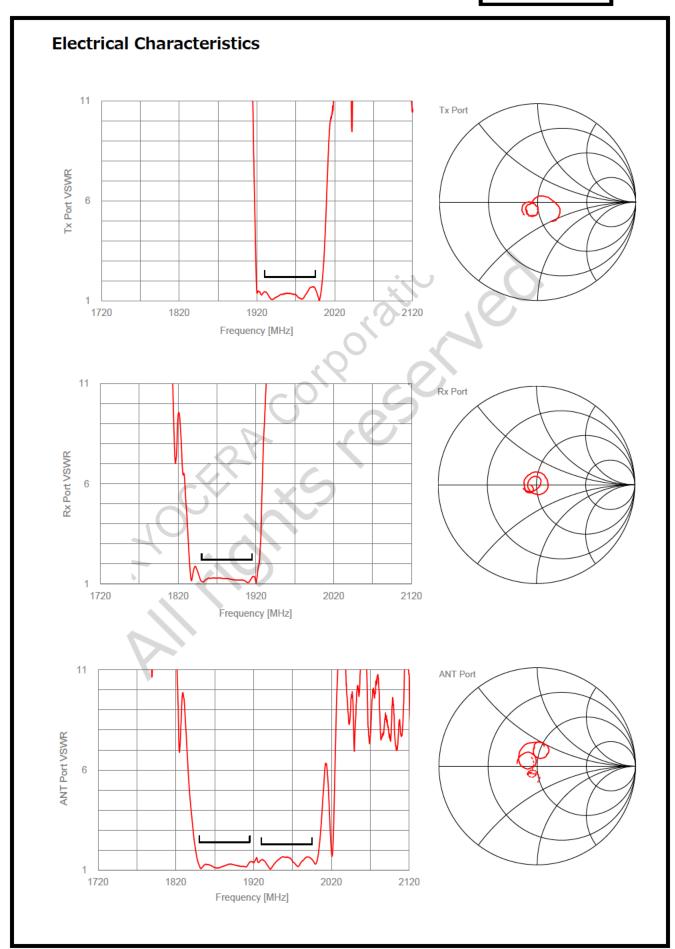








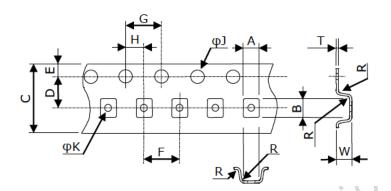






Tape & Reel Specification

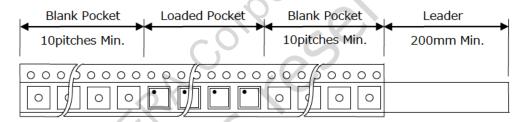
[Tape]



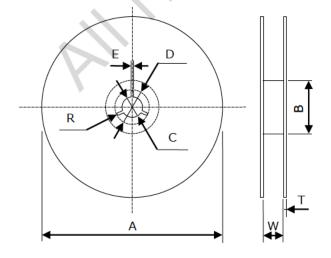
	Unit : mm
Part	Dimension
A	2.3±0.1
В	2.8±0.1
С	8.0±0.1
D	3.50±0.05
Е	1.75±0.10
F	4.0±0.1
G	4.0±0.1
Ξ	2.00±0.05
φЈ	1.5±0.1
φK	1.0±0.1
R	 0.3 Max
W	0.9±0.1
T	0 20±0.05

W: Dimension is depth of pockets.

Pulling Direction -



[Reel]



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