

RoHS Compliant

Datasheet of SAW Duplexer 2520 Band28 for Base station

KYOCERA Part No.: SD25 0780R9UUA1



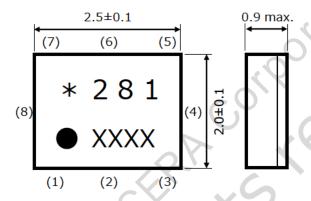
Rating

KYOCERa

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)	+27	dBm	LTE 5MHz (PAR=6.95dB) 10 years @85deg.C
Tx Port Nominal Impedance	50+3.0nH	ohm	Unbalance
Ant. Port Nominal Impedance	50//10nH	ohm	Unbalance
Rx Port Nominal Impedance	50+10nH	ohm	Unbalance

Dimensions



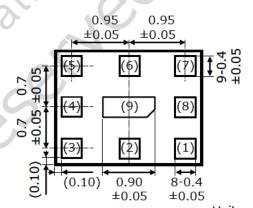


: Identification logo

281 : Identification no.• : Index mark of pin 1

XXXX : Production code

(Bottom View)

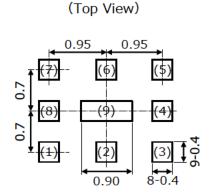


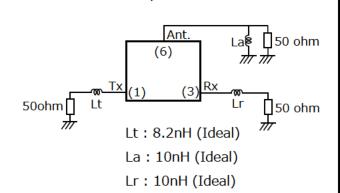
Unit : mm

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

Recommendable Land Pattern

Measurement Circuit





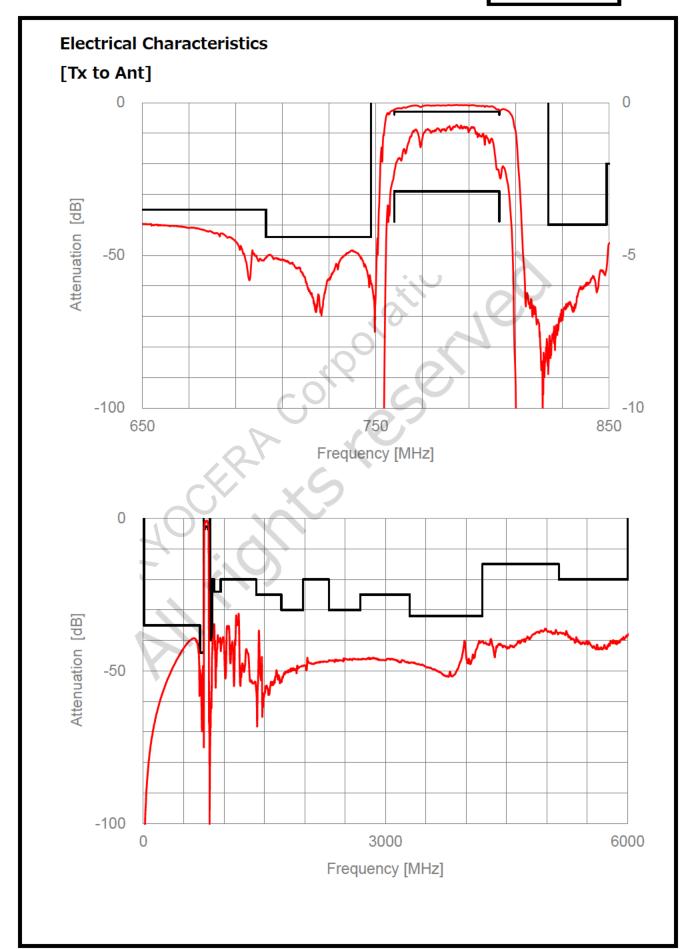
(Top View)



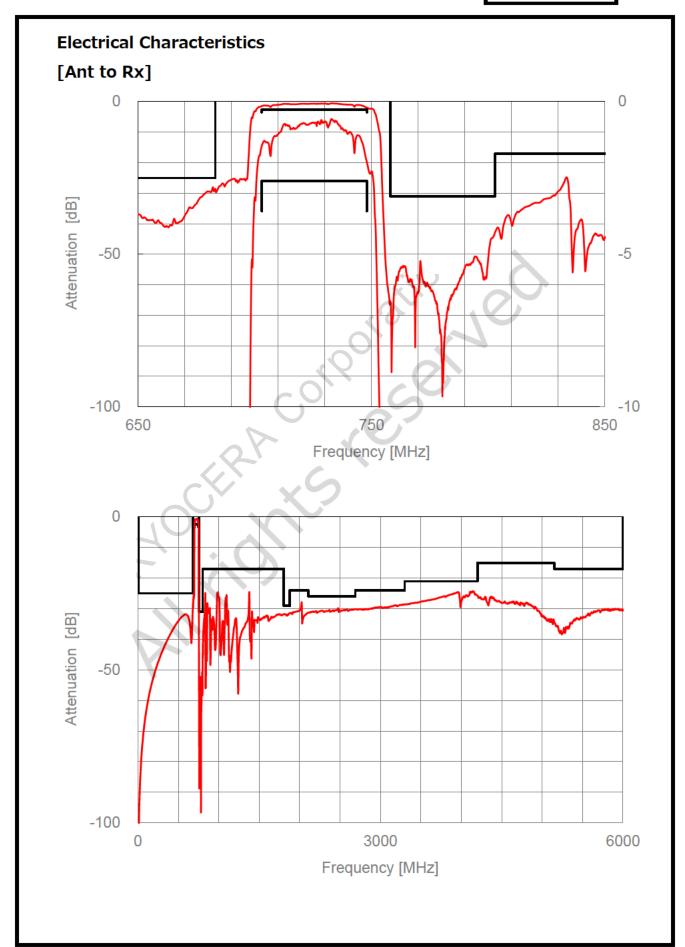
Electrical Characteristics

ITEMS		Frequency (MHz)		Characteristics		Unit	Note			
				min.	typ.	max.				
Tx to Ant	Insertion Loss		758	-	803	-	1.7	2.9	dB	Average over any 5MHz
	Ripple		758	-	803	-	1.9	2.9	dB	
	VSWR	Tx	758	-	803	-	1.6	2.3	•	
		Ant.	758	-	803	-	1.6	2.3	-	
	Attenuation		10	-	703	35	39	-	dB	
			703	-	748	44	48	-	dB	
			824	-	849	40	55	-	dB	
			849	-	880	20	35	-	dB	
			880	-	960	24	35	-	dB	
			960	-	1400	20	31	-	dB	
			1400	-	1710	25	34	, -	dB	
			1710	-	1980	30	48	-	dB	
			1980	-	2300	20	46	-	dB	
			2300	-	2690	30	46	- \	dB	
			2690	-	3300	25	46		dB	
			3300	-	4200	32	39	V -	dB	
			4200	-	5150	15	36		dB	
			5150	-	6000	20	37) -	dB	
Ant to Rx	Insertion Loss		703	Œ	748	-	14	2.6	dB	Average Over any 5MHz
	Ripple		703	F	748	-	14	3.2	dB	
	VSWR	Rx	703	-	748		1.8	2.2	-	
		Ant.	703	-	748	-	1.7	2.2	-	
	Attenuation		10	-	683	25	28	-	dB	
			758	-	803	31	43	-	dB	
70		1	803	-	960	17	26	-	dB	
			960	-	1805	17	23	-	dB	
	10		1805		1880	29	32	-	dB	
	4		1880	-	2110	24	28	-	dB	
		* _	2110	-	2690	26	30	-	dB	
	•		2690	-	3300	24	29	-	dB	
			3300	-	4200	21	24	-	dB	
			4200	-	5150	15	26	-	dB	
			5150	-	6000	17	30	-	dB	
Tx to Rx	Isolaion		703	-	748	46	50	-	dB	Average over any 5MHz
			758	-	803	35	50	-	dB	Average over any 5MHz

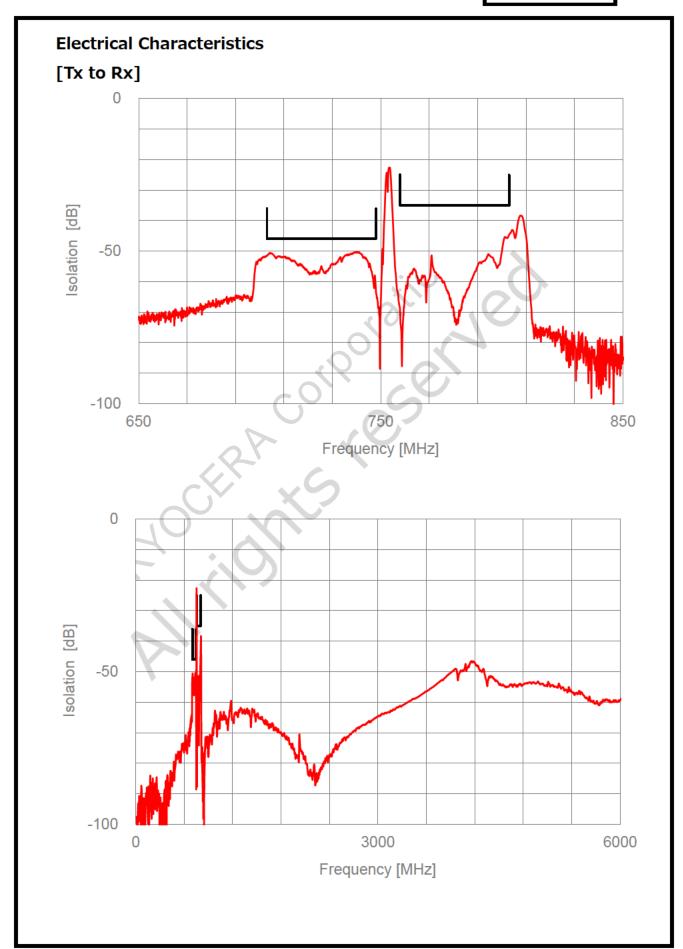




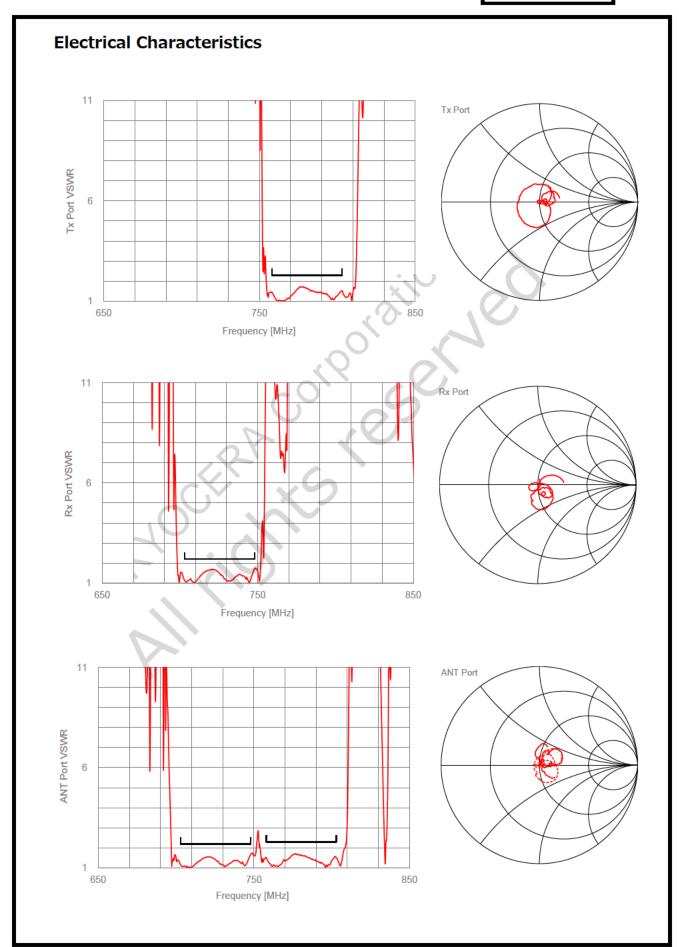








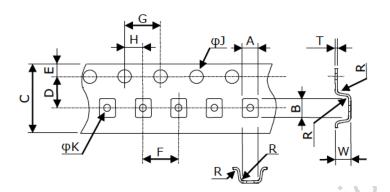






Tape & Reel Specification

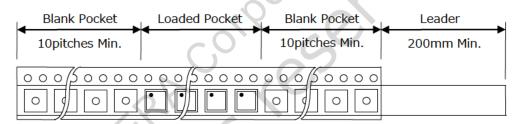
[Tape]



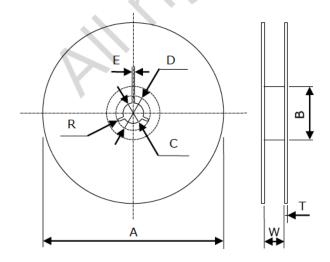
	Unit : mm
Part	Dimension
Α	2.3±0.1
В	2.8±0.1
С	8.0±0.1
D	3.50±0.05
E	1.75±0.10
F	4.0±0.1
G	4.0±0.1
Ξ	2.00±0.05
φЈ	1.5±0.1
φK	1.0±0.1
R	 0.3 Max
W	0.9±0.1
T	0 20±0.05

W: Dimension is depth of pockets.

Pulling Direction —



[Reel]



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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