

RoHS Compliant

Datasheet of SAW Duplexer 1814 Band13 Unbalanced NS07 Band Care

KYOCERA Part No. : SD18 0782R8UUF1

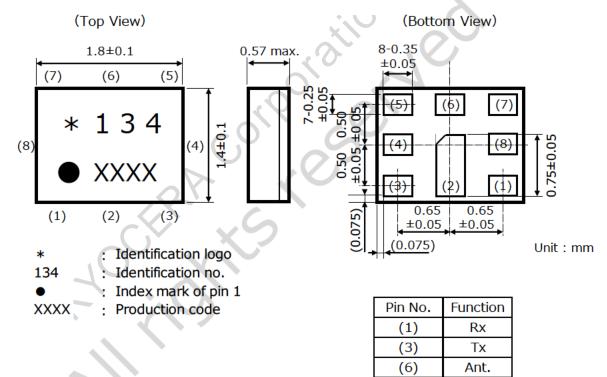
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Rating

Items	Rating	Unit	Note
Operating Temperature Range	-20 to +90	deg.C	
Storage Temperature Range	-40 to +90	deg.C	
Max Input Power (Tx port)	+30	dBm	5,000hours, Ta=50deg.C, CW
Tx Port Nominal Impedance	50	ohm	Unbalance
Ant. Port Nominal Impedance	50+13nH//2.7pF	ohm	Unbalance
Rx Port Nominal Impedance	50	ohm	Unbalance

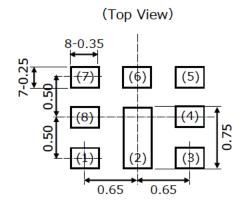
Dimensions

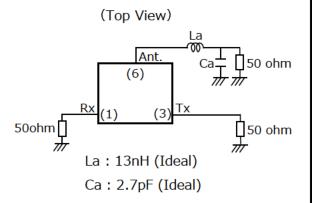


Recommendable Land Pattern

Measurement Circuit

Others





GND

Electrical Characteristics

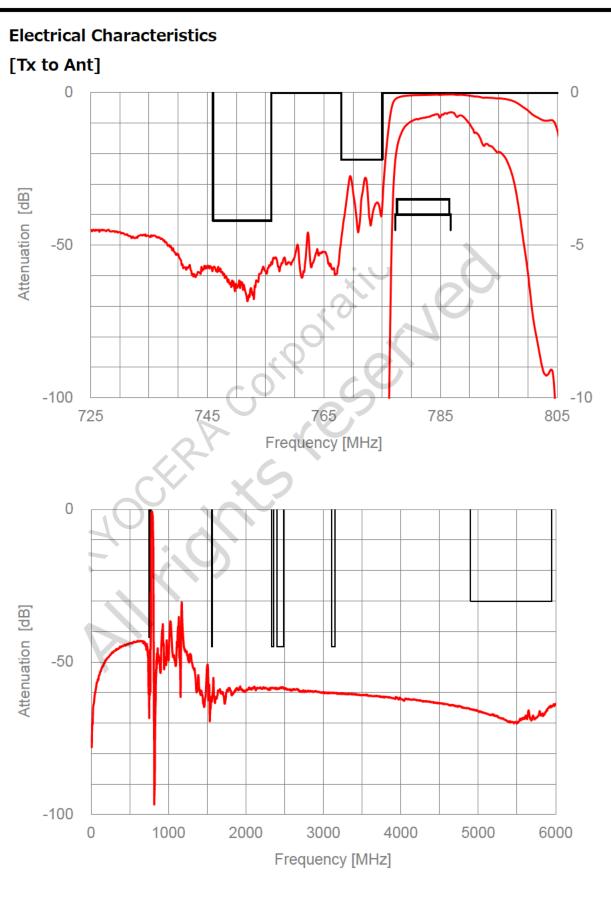
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Items		Frequency		Characteristics			Unit	Notes		
			(MHz)			min.	typ.	max.		
Tx to Ant	Nominal Frequency		-		782			MHz		
	Insertion loss		777.5	to	786.5	-	1.8	3.5	dB	
			777.25	to	786.75	-	2.1	4.0	dB	
	VSWR	Тx	777.5	to	786.5	-	1.2	2.1	-	
		Ant	777.5	to	786.5	-	1.2	2.1	-	
	Absolute		10	to	746	30	43	-	dB	
	attenuation		746	to	756	42	56	-	dB	Rx
		768	to	775	22 *	26 *	-	dB	NS07 Relative to IL(dBint*)	
		1554	to	1565	45	62	-	dB	2fTx	
		2331	to	2361	45	58	-	dB	3fTx	
			2400	to	2484	45	• 58]	-	dB	ISM
			3108	to	3148	45	60	-	dB	4fTx
			4900	to	5950	30	64	-	dB	ISM 5G
Ant to Rx	Nominal Frequency			-		50	751		MHz	
	Insertion loss		746	to	756		1.3	25	dB	
	VSWR	Rx	746	to	756	y.	1.3	2.1	-	
		Ant	746	to	756	-	1.4	2.1	-	
	Absolute attenuation		777	to	787	50	56	-	dB	Tx
			2400	to	2500	40	63	-	dB	ISM 2.4G
			4900	to	5950	40	65	-	dB	ISM 5G
Tx to Rx	Isolation		746	to	756	52	57	-	dB	
Isolation			777	to	787	55	59	-	dB	

*dBint : Integrated to LTE Modulation (4.5MHz)

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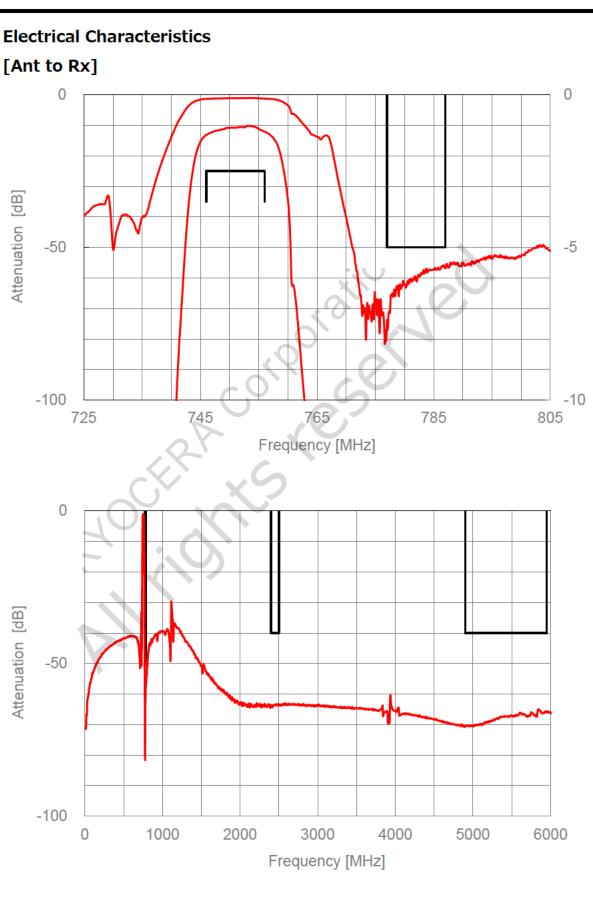
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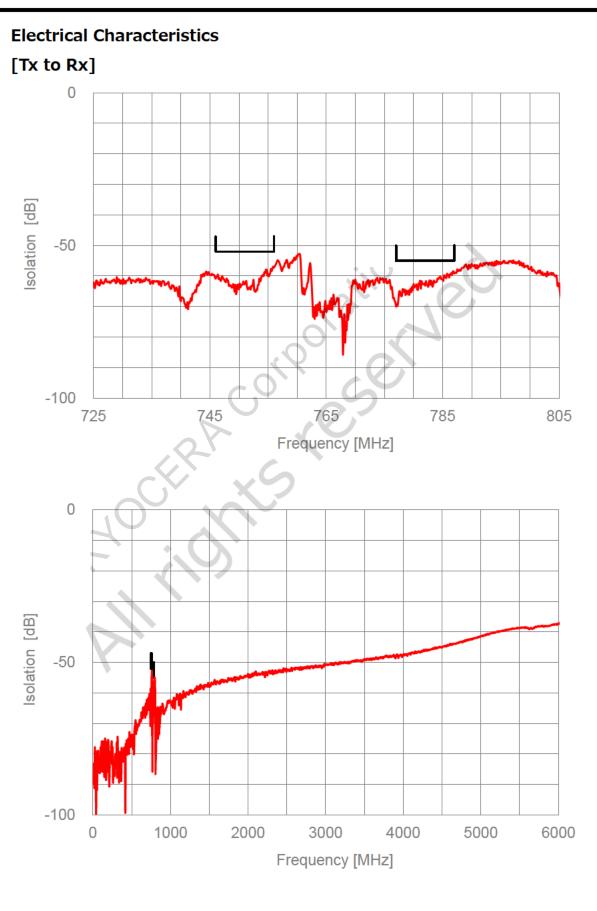


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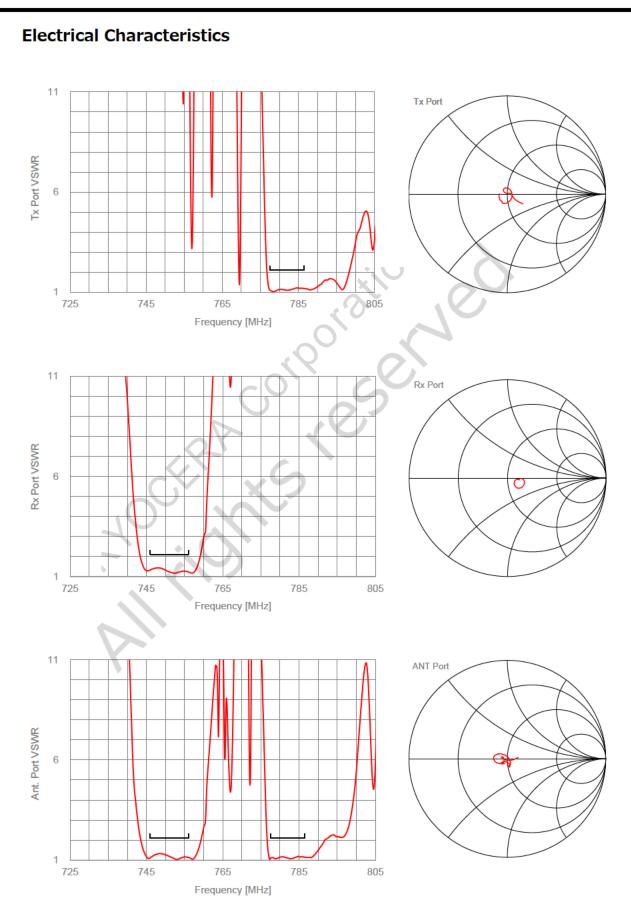
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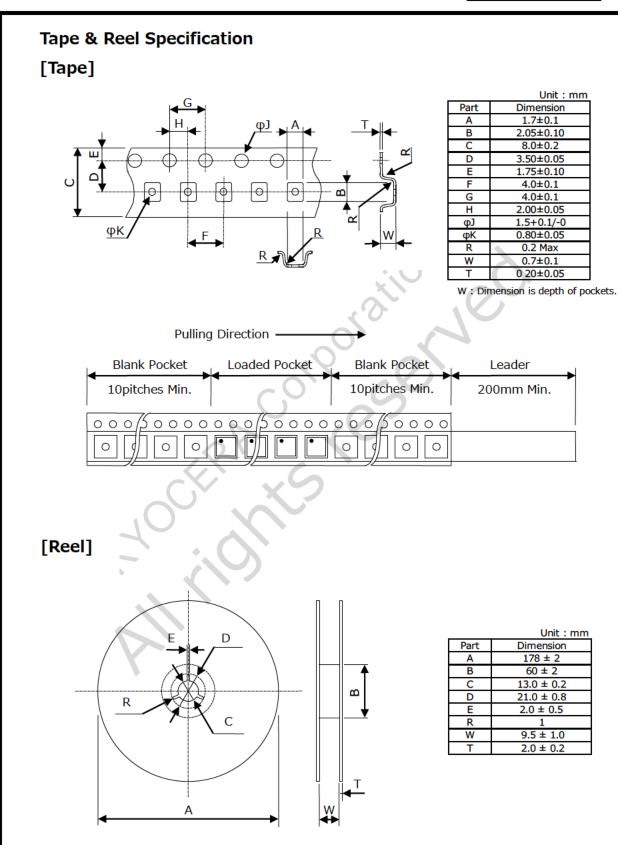






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