

RoHS Compliant

Datasheet of SAW Duplexer

2520 Band8+20 Rx filter for Base station

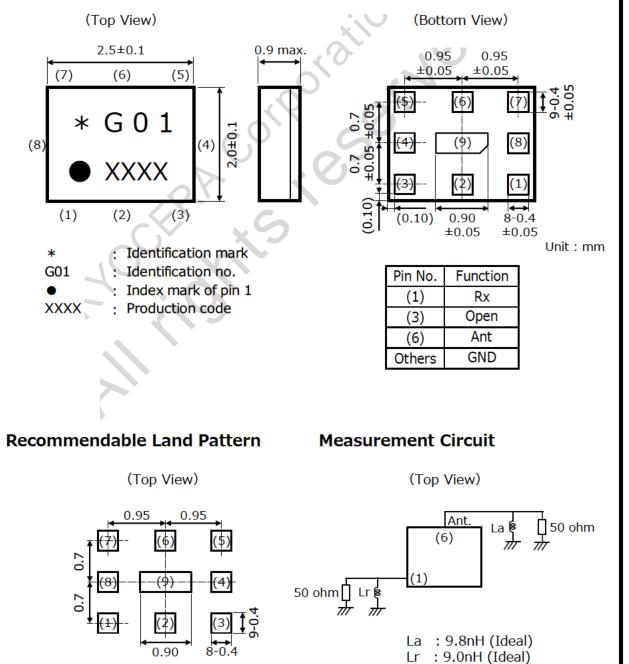
KYOCERA Part No. : SF25-0847E9SSA1

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Rating

Items		Rating	Unit	Note	
Operating Temperature Range		-40 to +105	deg.C		
Storage Temperature Range		-40 to +125	deg.C	Product only	
Max Input Power	Ant Port: 832-862MHz 880-915MHz	+20	dBm	CW, Ta=105deg.C, 10Years	
		+20	dBm	CW, Ta=105deg.C, 1000hours	
		+23	dBm	CW, Ta=85deg.C, 2hours	
Ant Port Nominal Impedance		50 // 9.8nH	ohm	Unbalance	
Tx Port Nominal Impedance		50 // 9.0nH	ohm	Unbalance	

Dimensions



Electrical Characteristics

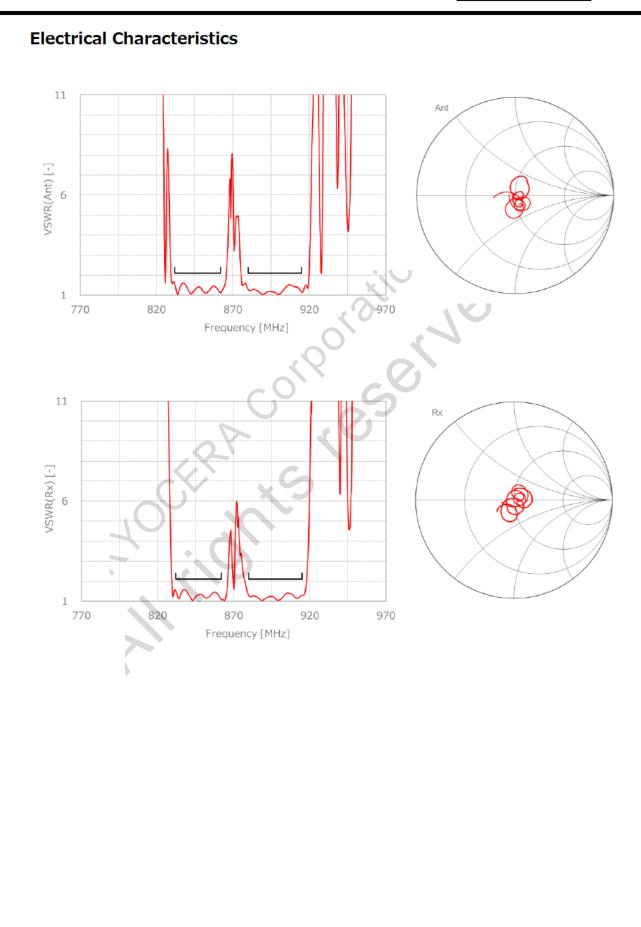
ΠEM	Frequency [MHz]		Characteristics		un it	note	
			min	typ max			
hsertion Loss	832 -	862	-	2.2	5.0	dB	
	880 -	- 915	-	1.9	4.5	dB	
Average	832 -	862	-	1.5	3.0	dB	Average any 5MHz
hserton Loss	880 -	- 915	-	1.5	3.0	dB	A verage any 5M H z
Am plitude Ripple	832 -	- 833	-	0.4	4.5	dB	
	833	862	-	0.8	3.0	dB	
	880	881	-	0.3	3.0	dB	
	881	914	-	0.9	3.7	dB	
	914 -	915	-	0.2	4.5	dB	
VSWR (Ant)	832 -	862	-	1.6	2.1		
	880 -	915		1.6	2.1	-	
VSWR(Tx)	832 -	862	~	1.6	2.1	-	
	880 -	915	Κ-	1.4	2.1	-	
G roup Delay	832 -	862	-	82	170	ns	
	880 -	915	-	71	170	ns	
G roup Delay	832 -	862	-	52	130	ns	
R ipp le	880 -	915	-	47	130	ns	
A ttenuation	0.01 -	791	40	44	-	dB	
	791 -	805	35	47	-	dB	
	805 -	821	35	42	-	dB	
L'	925 -	945	34	44	-	dB	
	945 -	960	35	54	-	dB	
· · · · · · · · · · · · · · · · · · ·	960 -	- 3000	25	34	-	dB	
	3000 -	- 5000	10	24	-	dB	



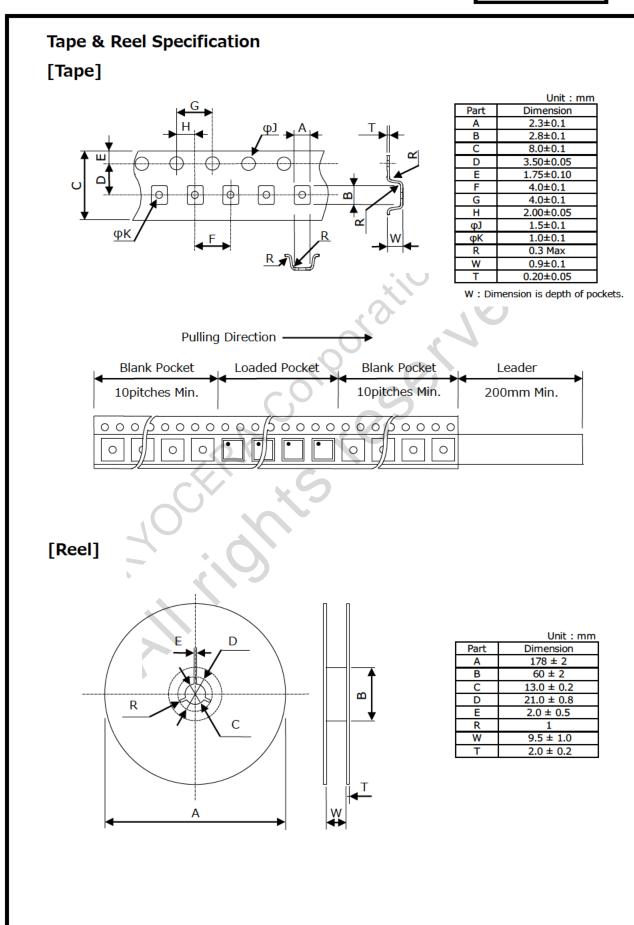
Electrical Characteristics [Tx to Ant] 0 0 -20 -2 Attenuation [dB] -40 -4 -60 -6 -80 -8 870 820 920 770 970 Frequency [MHz] 0 -20 Attenuation [dB] -40 -60 -80 0 2000 4000 6000 8000 Frequency [MHz]



Rev.00



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