

Rev.00

**RoHS** Compliant

# Datasheet of SAW Filter

## 1109 ISM 2.4GHz

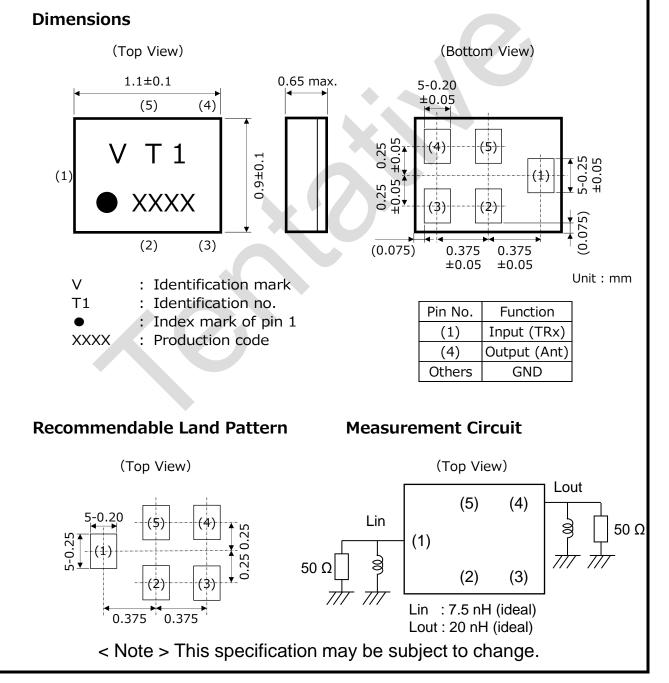
co-ext. B7/B40/B41 AEC-Q200 Grade 2

KYOCERA Part No. : VF11-2442M5UUA1

< Note > This specification may be subject to change.

#### Rating

	Items	Rating	Unit	Note
Operating Tempe	rature Range	-40 to 105	deg.C	
Storage Tempera	ture Range	-40 to 105	deg.C	
Max Input Power	Input port	25	dBm	5,000Hours,CW,Ta=50deg.C
ESD Level	Human Body Model	100	Volt	Complied to JESD22-A114
Input Port Nomina	Il Impedance	50 //7.5nH	ohm	Unbalance
Output Port Nomi	nal Impedance	50 //20nH	ohm	Unbalance
AEC-Q200		Grade2		Complied to AEC-Q200



### **Electrical Characteristics**

ltems		Frequency [MHz]		Unit	Kyocera Tentative Spec.			Note
<u> </u>					min.	typ.	max.	
Integrated	2402.5	to	2421.5	dBint	-	1.2	3.0	(※1) , CH1
Insertion Loss	2407.5	to	2426.5	dBint	-	1.1	2.0	(※1) , CH2
	2412.5	to	2471.5	dBint	-	1.0	1.6	(※1) , CH3 to 11
	2457.5	to	2476.5	dBint	-	1.1	2.8	(※1) , CH12
	2462.5	to	2481.5	dBint	-	1.4	3.2	(※1) , CH13
	2402.5	to	2481.5	dBint	-	1.4	2.0	(※1),+25℃
Ripple	2402.5	to	2481.5	dB	-	1.5	3.5	Any19MHz
Input VSWR	2402.5	to	2481.5		-	1.5	2.2	
Output VSWR	2402.5	to	2481.5		-	1.5	2.2	
	699	to	960	dB	45	50	-	
	1425	to	2170	dB	43	46	-	
	2300	to	2365	dB	45	56	-	B40
	2365	to	2370	dBint	43	56	-	B40(※2)
	2370	to	2380	dBint	10	23	-	B40(※2)
	2496	to	2500	dBint	11	45	-	B41(※2) , -30 to +105℃
Attenuation	2496	to	2500	dBint	13	45	-	B41(※2) , -20 to +105℃
	2500	to	2505	dBint	31	54	-	B41(※2) , -30 to +105℃
	2500	to	2505	dBint	35	54	-	B41(※2) , -20 to +105℃
	2500	to	2505	dBint	40	54	-	B41/7(※2) , -10 to +105℃
	2505	to	2570	dB	45	53	-	B41/7
	2505	to	2690	dB	43	51	-	B41/7
	4900	to	5805	dB	40	59	-	
	7200	to	7500	dB	25	38	-	

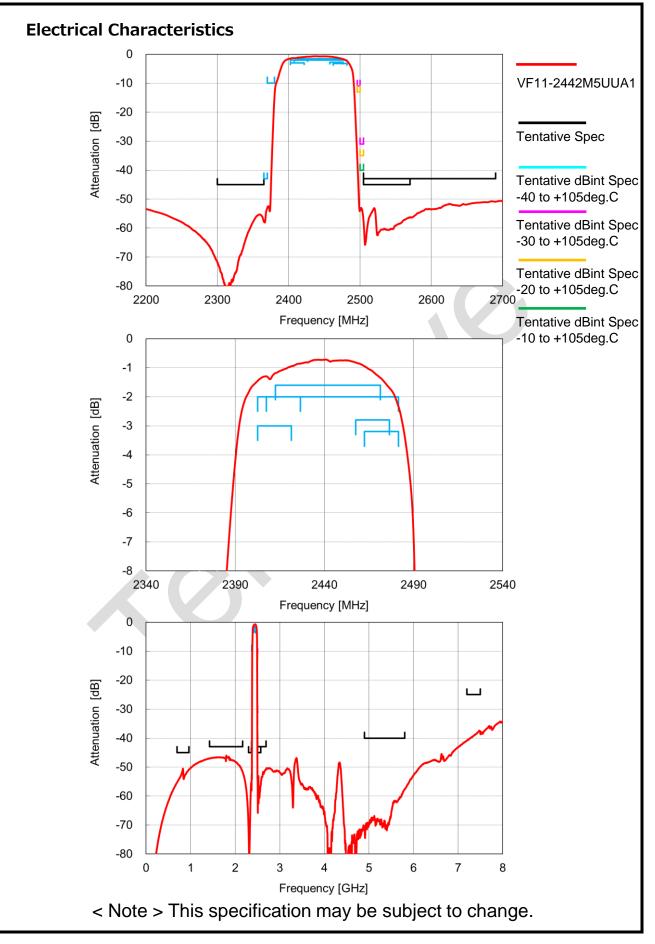
(\*1)Integrated Insertion Loss over 19MHz

(\*2)Integrated Attenuation over 5MHz

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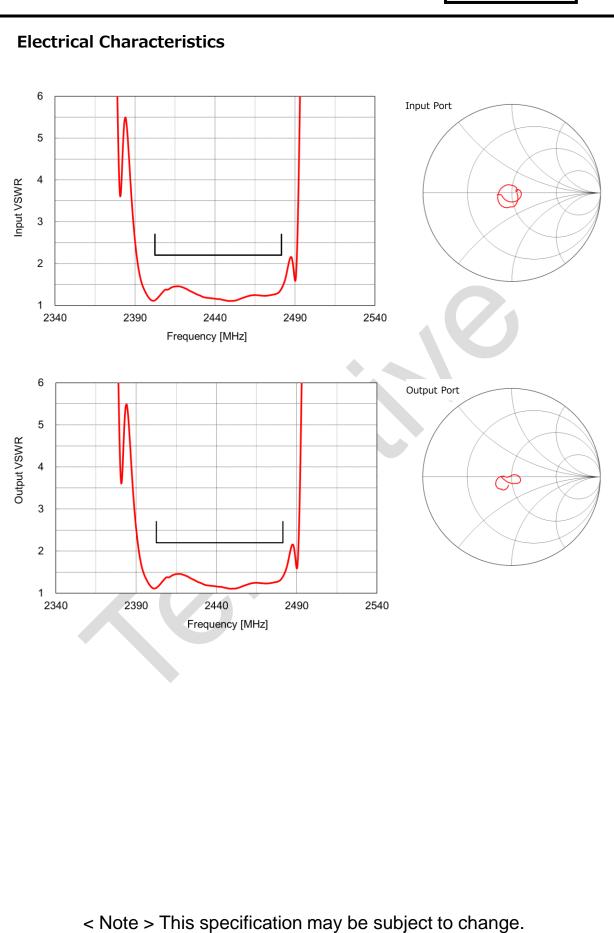
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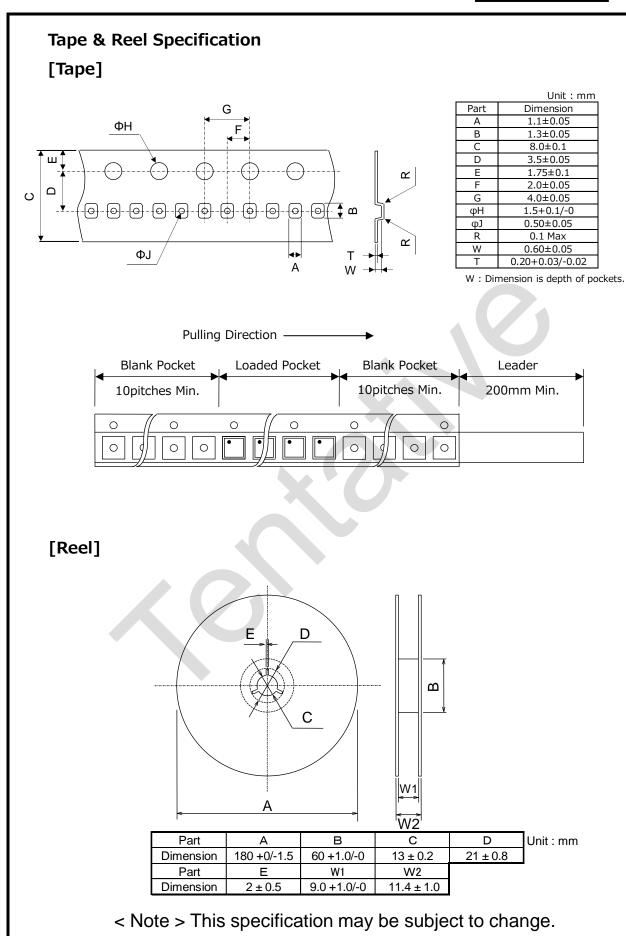
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