

Rev.00

RoHS Compliant

Datasheet of SAW Filter

1109 GNSS

For GPS(L5) _GALILEO(E5b) _GPS(L2) AEC-Q200 Grade2

KYOCERA Part No. : VF11-1197M5UUB1

< Note > This specification may be subject to change.

Dimensions

Rating

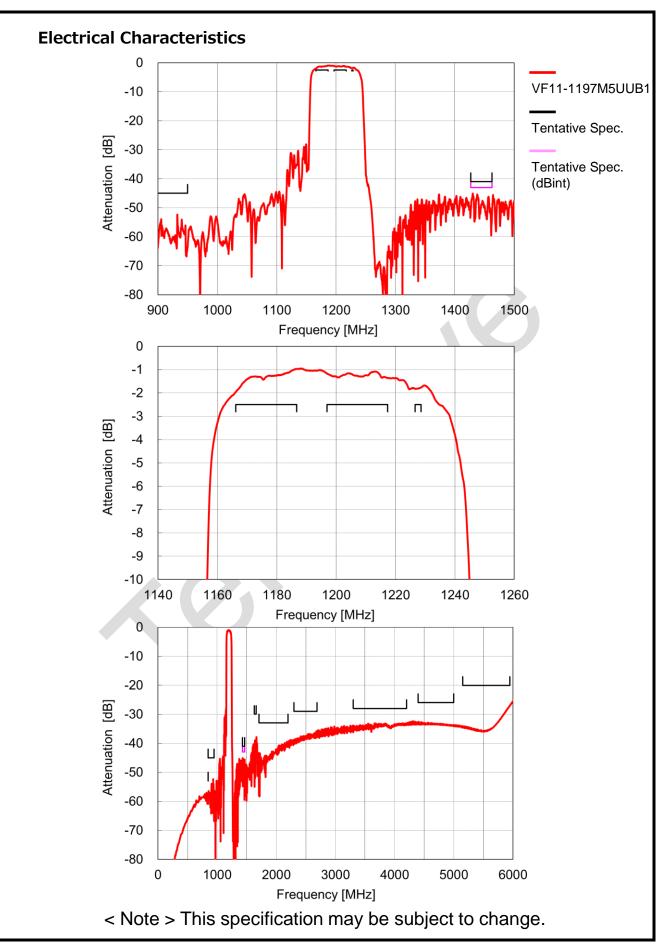
	Items	Rating	Unit	Note
Operating Temperature Range		-40 to 105	deg.C	
Storage Temperature Range		-40 to 105	deg.C	
Max Input Power	Input port	15	dBm	5,000Hours,CW,Ta=50deg.C
ESD Level	Human Body Model	100	Volt	Complied to JESD22-A114
Input Port Nominal Impedance		50 //7.5nH	ohm	Unbalance
Output Port Nominal Impedance		50 //9.1nH	ohm	Unbalance
AEC-Q200		Grade2		Complied to AEC-Q200

(Bottom View) (Top View) 1.1±0.1 0.55 max. 5-0.20 ±0.05 (5) (4) 0.25 ±0.05 S 2 0.9 ± 0.1 5-0.25 ±0.05 (1)(1)0.25 ±0.05 XXXX (2)(3) (0.075) (2)(3) (0.075)0.375 0.375 ±0.05 ±0.05 Unit : mm V : Identification mark S2 : Identification no. Pin No. Function : Index mark of pin 1 (1)Input : Production code XXXX (4)Output Others GND **Recommendable Land Pattern Measurement Circuit** (Top View) (Top View) Lout (4) (5) 5-0.20 Lin 50 Ω 8 (1) 5-0.25 50 Ω (2) (3)Lin: 7.5 nH (ideal) 0.375 0.375 Lout: 9.1 nH (ideal) < Note > This specification may be subject to change.

Electrical Characteristics

	Frequency[MHz]		Unit	Kyocera Tentative Spec.			Note		
Items									
				min	typ	max			
Insertion Loss		1166.22	-	1186.68	dB	-	2.0	2.5	L5
		1196.91	-	1217.37	dB	-	1.4	2.5	E5b
		1226.58	-	1228.62	dB	-	1.8	2.5	L2C
GDT Ripple Deviation		1166.22	-	1186.68	ns	-	18	35	L5
		1196.91	-	1217.37	ns	-	7	15	E5b
		1226.58	-	1228.62	ns	-	3	12	L2C
VSWR	Input	1166.22	-	1186.68	-	-	1.4	2.2	L5
		1196.91	-	1217.37	-	-	1.5	2.2	E5b
		1226.58	-	1228.62	-	-	1.6	2.2	L2C
	Output	1166.22	-	1186.68	-	-	1.6	2.2	L5
		1196.91	-	1217.37	-	-	1.5	2.2	E5b
		1226.58	-	1228.62	-	-	1.2	2.2	L2C
Attenuation		650	-	850	dB	53	57	-	
		850	-	950	dB	45	52	-	
		1427	-	1463	dB	41	45	-	
		1427	-	1463	dBINT	43	46	-	any5MHz
		1626	-	1661	dB	30	39	-	
		1710	-	2200	dB	33	39	-	
		2300	-	2690	dB	29	36	-	
		3300	-	4200	dB	28	33	-	
		4400	-	5000	dB	26	33	-	
		5150	-	5950	dB	20	27	-	

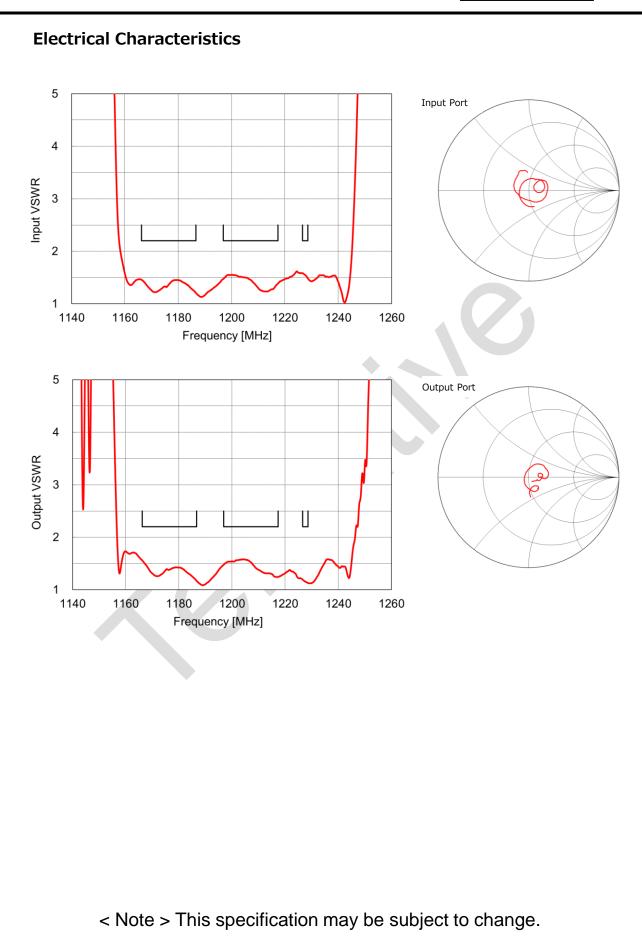
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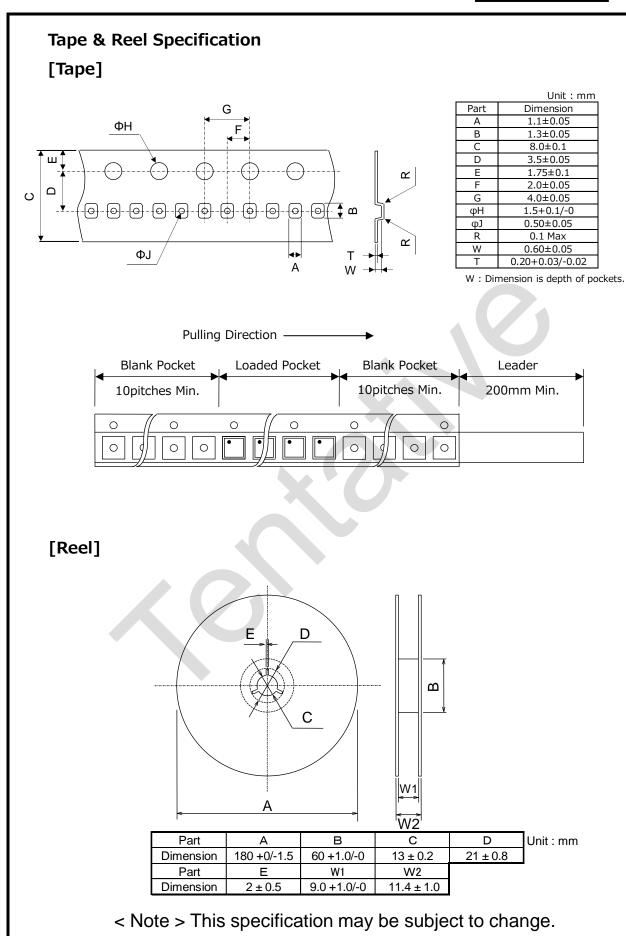
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