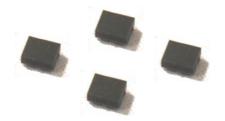


Datasheet of SAW Device

SAW Dual Filter

for GSM850_GSM900 / 1in2out Unbalanced / LH /1511

Murata PN: SAWFD881MAA0F0A



Note : This Murata SAW Component is Consumer grade product and applicable for Cellular phone or similar end devices. Please also read Important Notice at the end of this document.

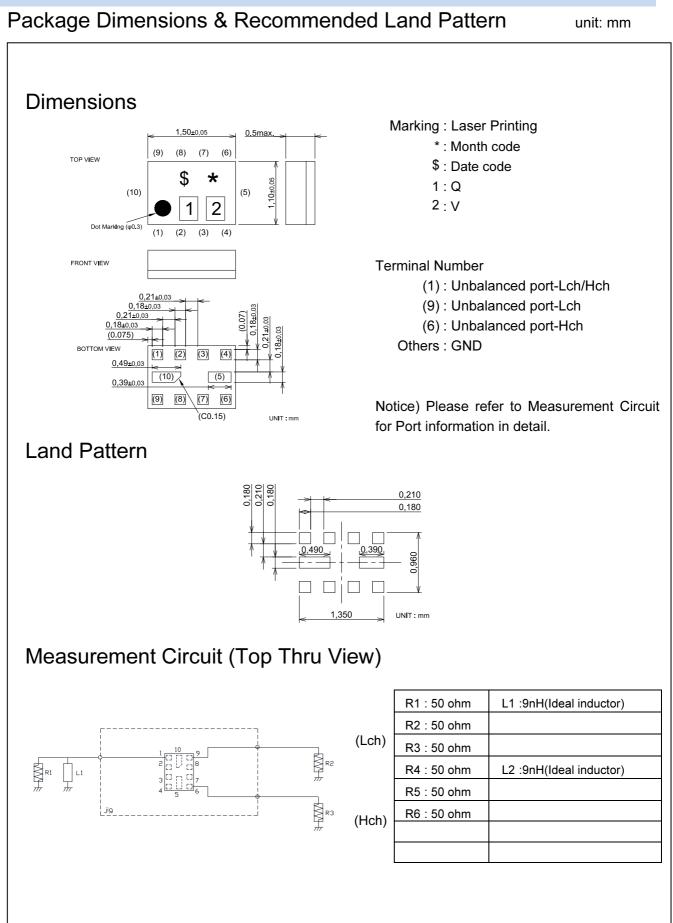
Revision
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General Information

- Operating temperature	: -30 to +85 deg.C
- Storage temperature	: -40 to +85 deg.C
- Input Power	: +13 dBm 2000 h
- D.C. Volatage between the terminals	: 3V (25+/-2 deg.C)
- Minimum Resistance between the terminals	: 10M ohm
- RoHS compliance	: Yes
- ESD (ElectroStatic Discharge) sensitive devi	ice







Electrical Characteristic < Low Freq. Filter >

Low Freq. Filter						Characteristics (-30 to +85 deg.C)			Nista
								Unit	Note
						typ.*	max.		
Center Frequency						881.5		MHz	
Insertion Loss	869.	to	894.	MHz		2.0	2.4	dB	
	869.	to	894.	MHz		2.0	2.2	dB	+23 to +27deg.C
Ripple Deviation	869.	to	894.	MHz		0.6	1.2	dB	
VŚŴR	869.	to	894.	MHz		1.6	2.0		
	869.	to	894.	MHz	40	1.6	1.9	JD	+23 to +27deg.C
Absolute Attenuation	0.1	to	824.	MHz	40	50		dB	
	824.	to	849.	MHz	43	48		dB	
	914. 960.	to	960. 3000.	MHz	22 28	26 42		dB dB	
		to		MHz	20	28		dB dB	
	3000.	to	6000.	MHz	20	20		aв	
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* Typical value at 25±2deg.C



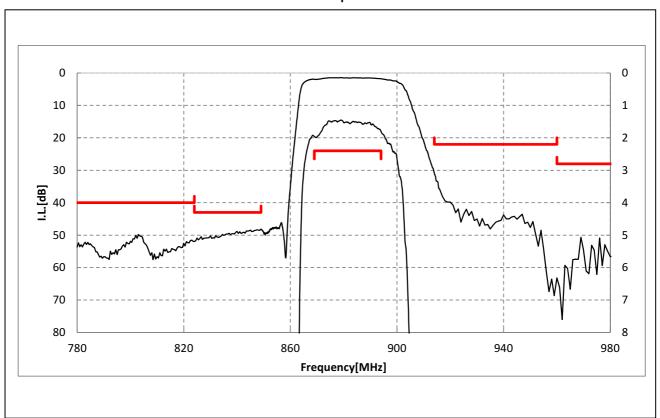
Electrical Characteristic < High Freq. Filter >

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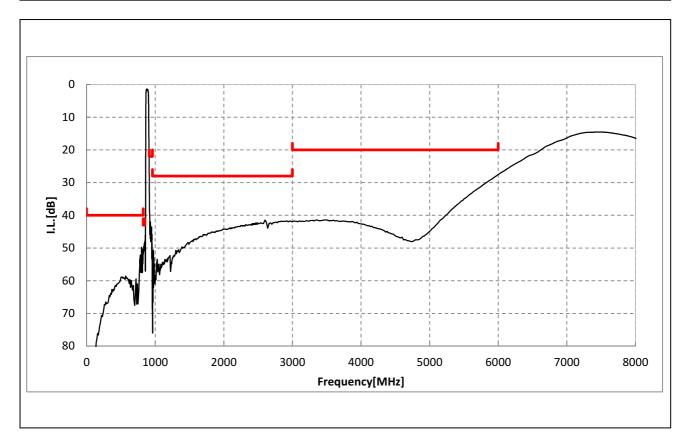
* Typical value at 25±2deg.C



Electrical Characteristic

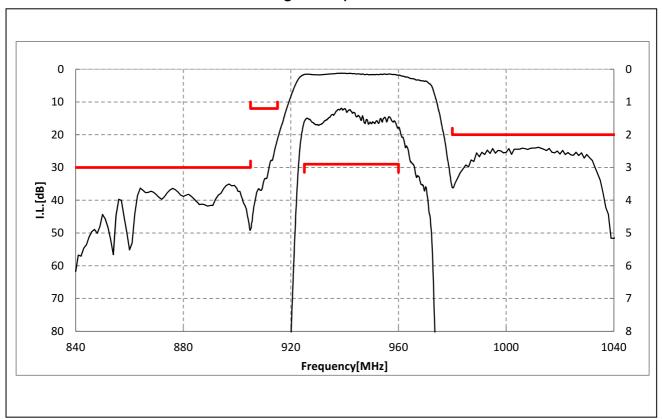


< Low Freq. Filter >

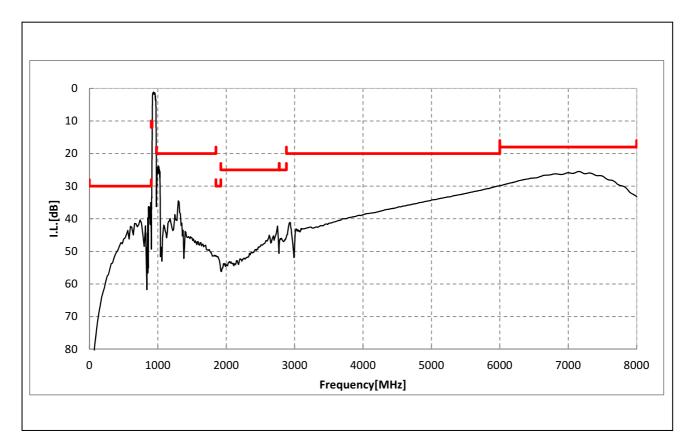




Electrical Characteristic



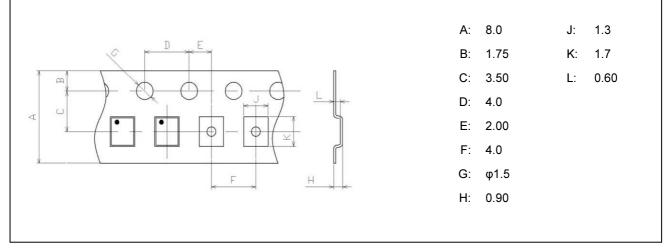
< High Freq. Filter >



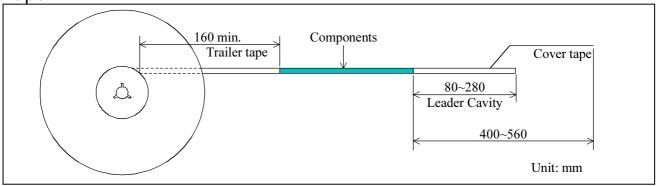


Dimensions of Tape & Reel unit: mm

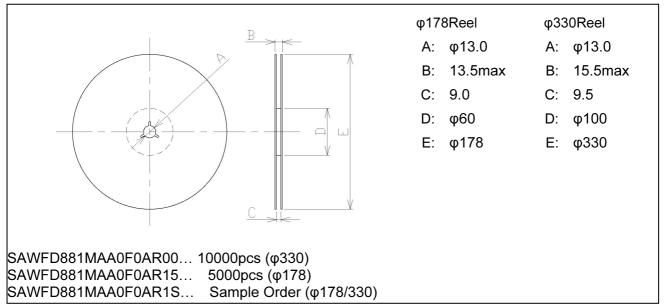
Carrier Tape



Tape



Reel





Important Notice (1/2)

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Please make sure that your product has been evaluated and confirmed from the aspect of the fitness for the specifications of our product specified in the front page of this product specifications (the "Product" or "Products") when our Product is mounted to your product. All the items and parameters in this product specification/datasheet/catalog have been prescribed on the premise that our Product is used for the purpose, under the condition and in the environment specified in this specification. You are requested not to use our Product deviating from the condition and the environment specified in this specification.

Please note that the only warranty that we provide regarding the Product is its conformance to the specifications provided herein. Accordingly, we shall not be responsible for any defects in products or equipment incorporating such Products, which are caused under the conditions other than those specified in this specification.

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The Product shall not be used for any application which requires especially high reliability or accuracy in order to prevent defect which incurs high possibility of damage to the third party's life, body or property such as the applications listed below as item (a) to (j) (the "Prohibited Application"). You acknowledge and agree that, if you use our Products in the Prohibited Applications, we will not be responsible for any damage caused by such use.

Furthermore, YOU AGREE TO INDEMNIFY AND DEFEND US AND OUR AFFILIATES AGAINST ALL CLAIMS, DAMAGES, COSTS, AND EXPENSES THAT MAY BE INCURRED, INCLUDING WITHOUT LIMITATION, ATTORNEY FEES AND COSTS, DUE TO THE USE OF OUR PRODUCTS IN THE PROHIBITED APPLICATIONS.

- (a) Aircraft equipment.
- (b) Aerospace equipment
- (c) Undersea equipment.
- (d) Power plant control equipment
- (e) Medical equipment.
- (f) Transportation equipment (vehicles, automotive, trains, ships, etc.).
- (g)Traffic signal equipment.
- (h)Disaster prevention / crime prevention equipment.
- (i) Burning / explosion control equipment
- (j) Application of similar complexity and/ or reliability requirements to the applications listed in the above.

For the avoidance of doubt, the Product is not automotive grade, and will not support such requests for automotive as below, also not support other specific requests for automotive.

- AEC-Q200
- PPAP
- IATF16949,VDA6.3
- Zero Defect program
- Long product life cycle
- Automotive 8D failure analysis and report



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Please do not use the Product in molding condition.

This product is ESD (ElectroStatic Discharge) sensitive device. When you install or measure this, you should be careful not to add antistatic electricity or high voltage. Please be advised that you had better check anti serge voltage.

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Please do not use our Products, our technical information and other data provided by us for the purpose of developing of mass-destruction weapons and the purpose of military use. Moreover, you must comply with "foreign exchange and foreign trade law", the "U.S. export administration regulations", etc.

Please note that we may discontinue the manufacture of our products, due to reasons such as end of supply of materials and/or components from our suppliers.

Customer acknowledges that Murata will, if requested by you, conduct a failure analysis for defect or alleged defect of Products only at the level required for consumer grade Products, and thus such analysis may not always be available or be in accordance with your request (for example, in cases where the defect was caused by components in Products supplied to Murata from a third party).

The Product shall not be used in any other application/model than that of claimed to Murata.

Customer acknowledges that engineering samples may deviate from specifications and may contain defects due to their development status.

We reject any liability or product warranty for engineering samples.

In particular we disclaim liability for damages caused by

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·deviation or lapse in function of engineering sample,

• improper use of engineering samples.

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