



Features


- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	-	847	-
Insertion Loss(832~862MHz)		dB	-	2.8	3
Passband variation(832~862MHz)		dB	-	0.8	1.2
VSWR		-	-	1.6	2.0
Ultimate Rejection	DC~726MHz	dB	40	48	-
	726~791MHz	dB	30	45	-
	791~821MHz	dB	30	38	-
	884~1300MHz	dB	27	43	-
	1300~3000MHz	dB	25	30	-
Material Temperature coefficient		KHz/°C	-27.1		
Substrate Material		-	42LT		
Ambient Temperature		°C	25		
Operating Temperature Range		°C	-45	-	+85
Storage Temperature Range		°C	-45	-	+85
DC Voltage		V	0		
Input Power		dBm	-	-	23
ESD Class		-	1A		
Package Size		SMD3.0*3.0			

Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT84705	
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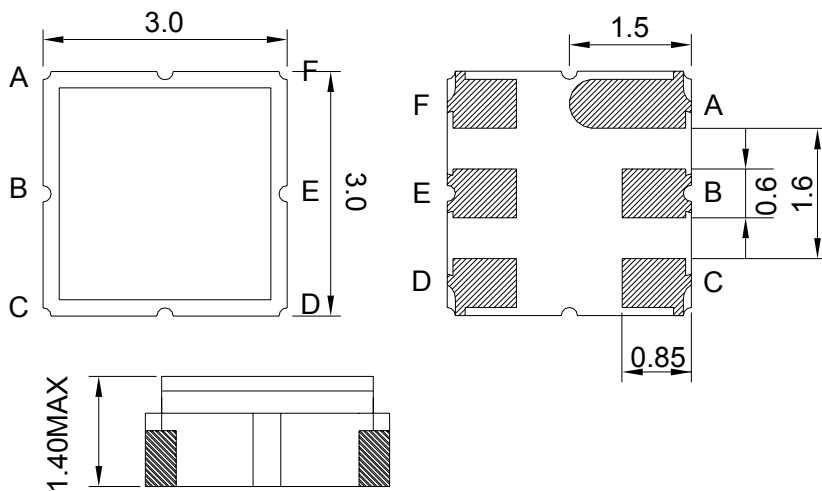
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: B
Output: E
Ground: All Others

Package: SMD3.0*3.0

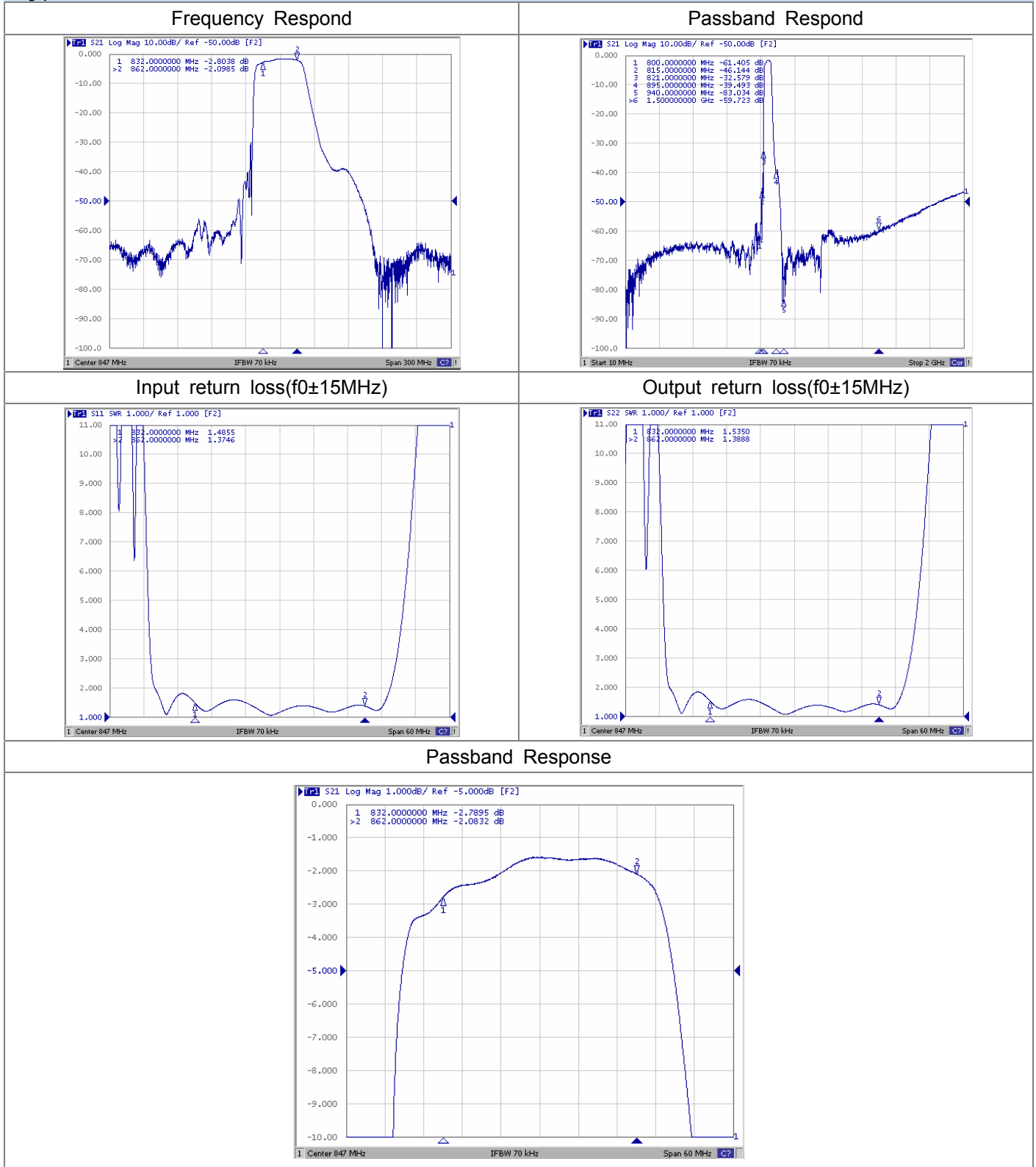
Unit: mm



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Typical Performance



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