



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	865	872.5	880
Insertion Loss(865~880MHz)		dB	-	2.8	3.5
Return loss(865~880MHz)		dB	10	13.9/14.4	-
Passband Variation(865~880MHz)		dB	-	0.9	2
Ultimate Rejection	DC~824MHz	dB	20	41	-
	824~849MHz	dB	25	39	-
	885~1000MHz	dB	10	11	-
	1730~1760MHz	dB	25	40	-
	1760~3000MHz	dB	20	22	-
Material Temperature coefficient		KHz/°C	-27.9		
Substrate Material		-	42LT		
Ambient Temperature		°C	25		
Operating Temperature Range		°C	-40	-	+85
Storage Temperature Range		°C	-45	-	+105
DC Voltage		V	0		
Input Power		dBm	-	-	10
ESD Class		-	1A		
Package Size		SMD3.0*3.0			

Notes:

- All specifications are based on the test circuit shown;
- In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
- Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
- 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	LBT87301	
Rev. Date	2010-11-17	
Ver.	1.0	Page 1/3

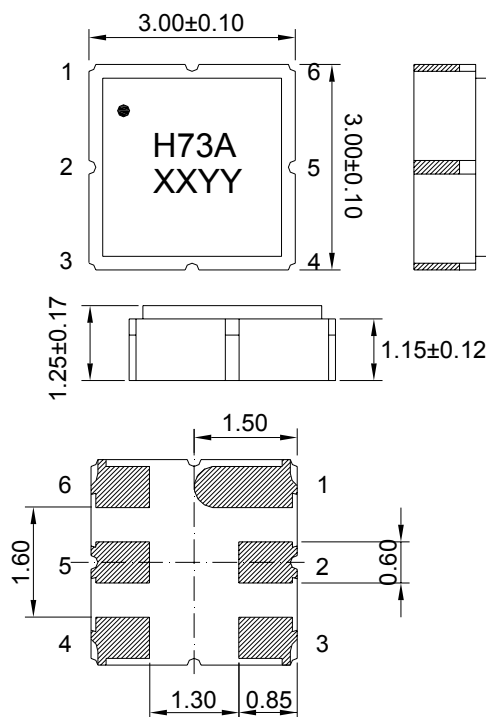
Matching Configuration



Source / Load Impedance=50 ohm

Notes - Component values may change depending
on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 5
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) H73A: Part Number
- 3) XXYY: Date(Year/month)

Package: SMD3.0*3.0

Unit: mm



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Typical Performance

