Features

- ✧ For RF SAW filter
- ✧ Single-ended operation
- ✧ Ceramic Surface Mount Package
- ✧ Small size
- ✧ RoHS compliant (2002/95/EC), Pb-free

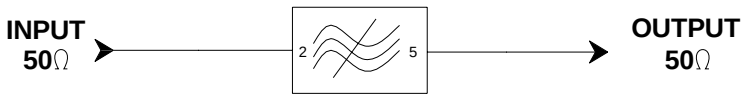
Specifications

Parameter		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	-	836.5	-
Insertion Loss(824～849MHz)		dB	-	3.1	3.8
Passband Variation(824～849MHz)		dB	-	1	1.8
Input/Output VSWR(824～849MHz)		-	-	1.6	2
Ultimate Rejection	*869～894MHz*	dB	25	29	-
	920～2000MHz	dB	32	51	-
Material Temperature coefficient		KHz/°C	-26.8		
Substrate Material		-	42LT		
Ambient Temperature		°C	25		
Operating Temperature Range		°C	-30	-	+85
Storage Temperature Range		°C	-40	-	+100
DC Voltage		V	0		
Input Power		dBm	-	-	15
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.

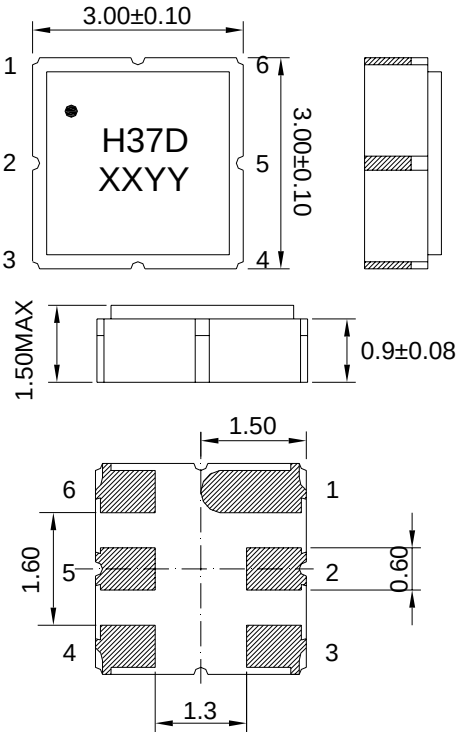
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2

Output: 5

Ground: 1,3,4,6

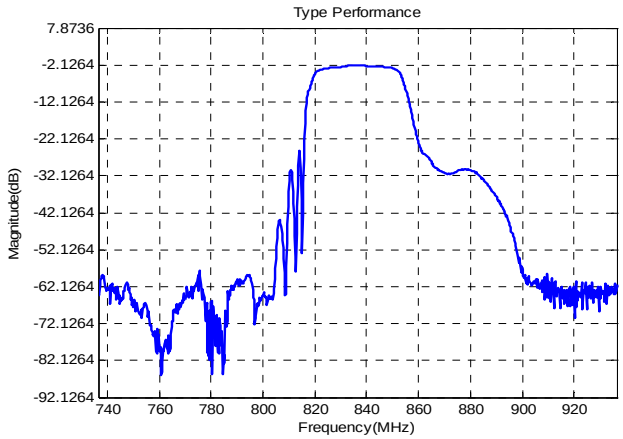
Marking Configuration:

1) •: Pad Number 1 Index
2) H37D: Part Number
3) XXYY: Date(Year/month)

Package: SMD3.0*3.0 **Unit: mm**

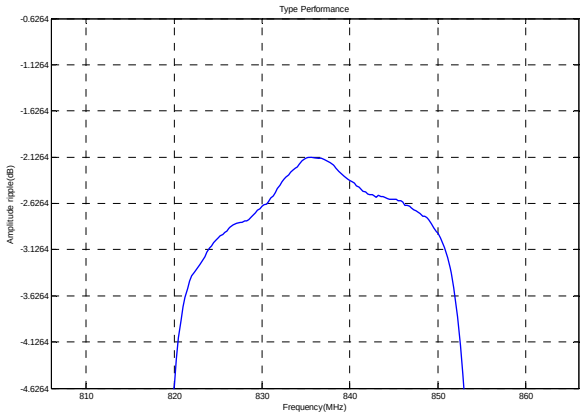
Typical Performance

Frequency Response



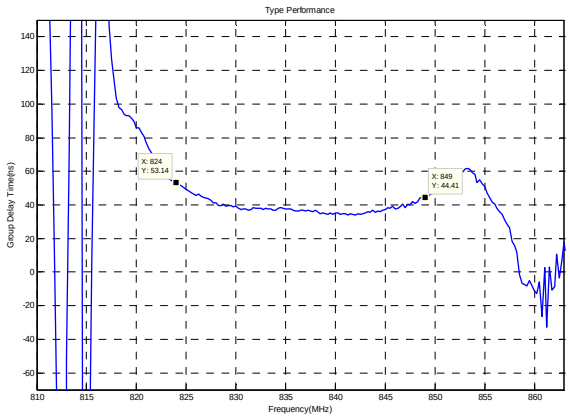
Horizontal: 20MHz/Div Vertical: 10dB/Div

Passband Response



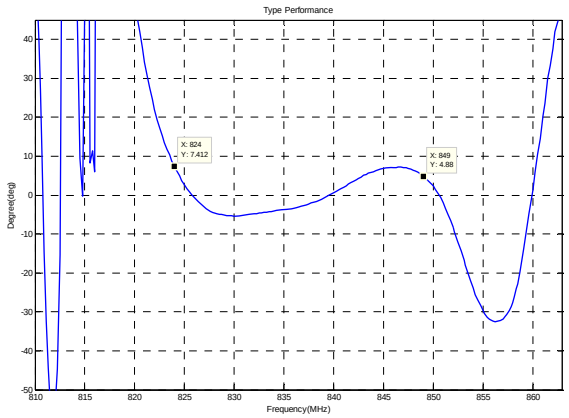
Horizontal: 10MHz/Div Vertical: 0.5dB/Div

Group Delay Variation(f0±12.5MHz)



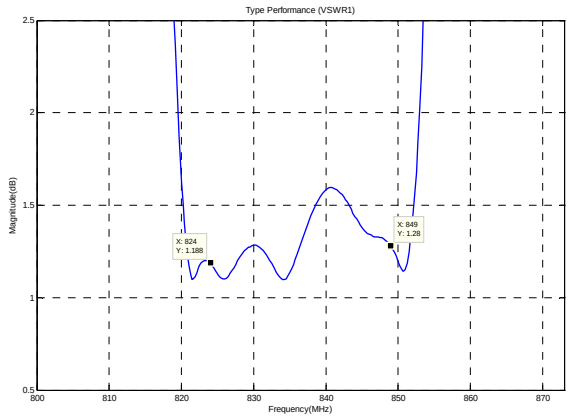
Horizontal: 5MHz/Div Vertical: 20ns/Div

Phase Linearity(f0±12.5MHz)



Horizontal: 5MHz/Div Vertical: 10deg/Div

Input VSWR(f0±12.5MHz)



Output VSWR(f0±12.5MHz)

