Features

- ✧ For IF 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	-	830	-
Insertion Loss(f0±6MHz)		dB	-	1.8	2.5
1dB Bandwidth		MHz	12	21.98	-
Passband Variation(f0±6MHz)		dB	-	0.7	1
Ultimate Rejection	*10～800MHz*	dB	25	36	-
	800～805MHz	dB	35	42	-
	855～1050MHz	dB	35	39	-
	1050～2600MHz	dB	20	32	-
Material Temperature coefficient		KHz/°C	-26.56		
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:

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.

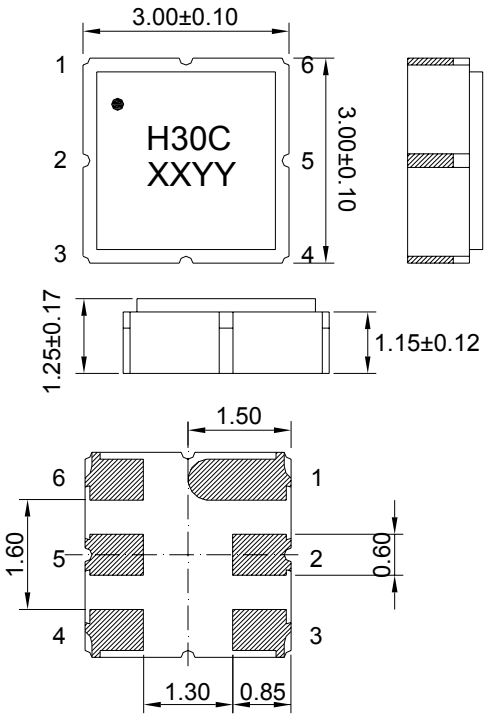
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



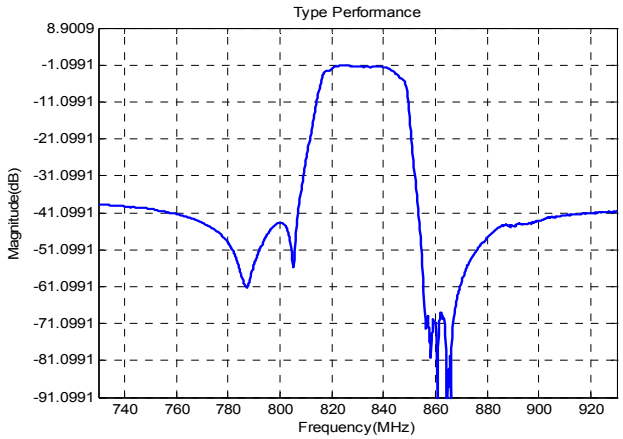
Pad Configuration:
Input: 2
Output: 5
Ground: All Others

Marking Configuration:
1) •: Pad Number 1 Index
2) H30C: Part Number
3) XXYY: Date(Year/month)

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

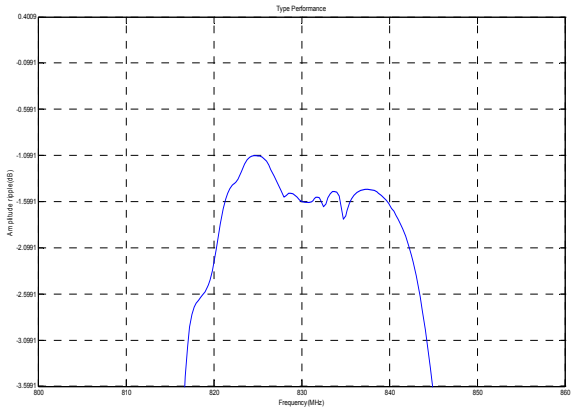
Typical Performance

Frequency Response



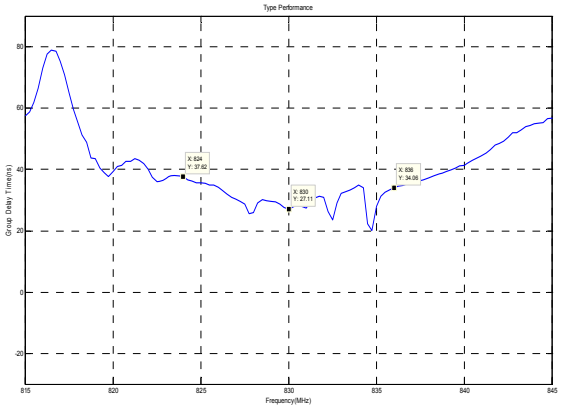
Horizontal: 20MHz/Div Vertical: 10dB/Div

Passband Response



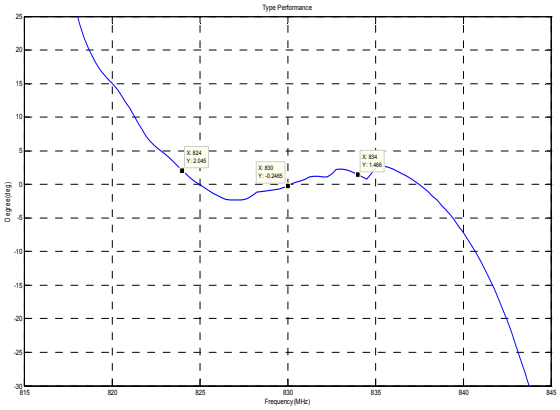
Horizontal: 10MHz/Div Vertical: 0.5dB/Div

Group Delay Variation(f0±6MHz)



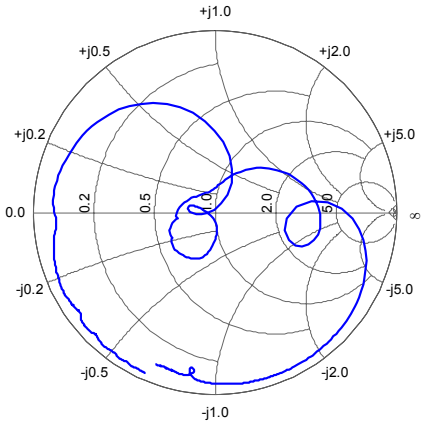
Horizontal: 5MHz/Div Vertical: 20ns/Div

Phase Linearity(f0±6MHz)



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

Smith Chart S11



Smith Chart S22

