

# 140 MHz Bandpass SAW Filter

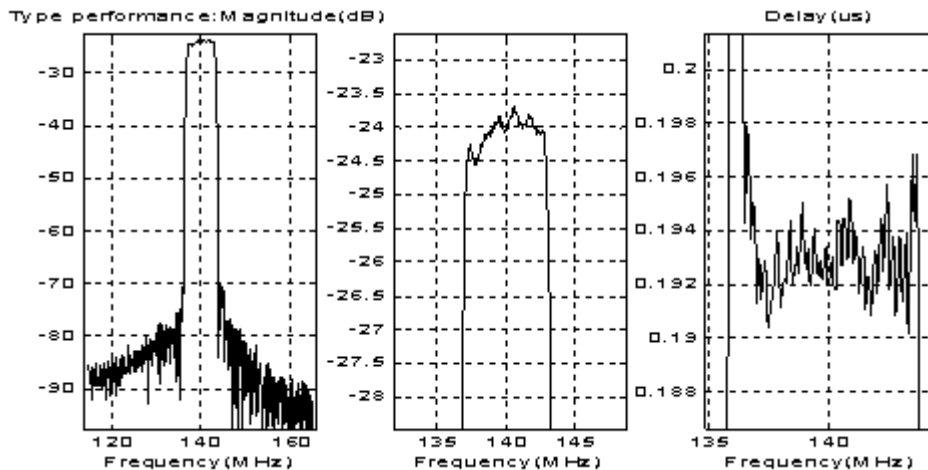
## BP62210

### 6.0 MHz Bandwidth

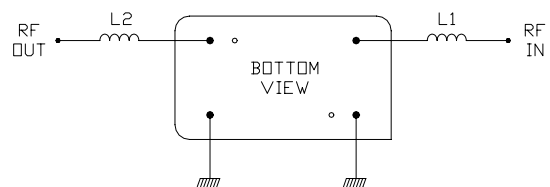
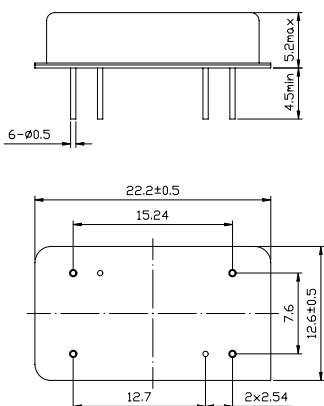
*Complies with Directive 2002/95/EC (RoHS Compliant)*

Electrical Characteristics					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	139.8	140	140.2	MHz
Insertion Loss at fc	IL	-	23.9	28.0	dB
1 dB Bandwidth	BW <sub>1</sub>	5.6	5.8	-	MHz
3 dB Bandwidth	BW <sub>3</sub>	6.0	6.3	-	MHz
40dB Bandwidth	BW <sub>40</sub>	-	8.1	8.4	MHz
50dB Bandwidth	BW <sub>50</sub>	-	8.4	9.0	MHz
Passband Variation	-	-	0.38	0.7	dB
Phase Linearity	-	-	3	4	Deg
Group Delay Variation	-	-	27	110	nsec
Absolute Delay	-	-	1.94	-	μsec
Ultimate Rejection	-	50	55	-	dB
Substrate Material	-	-	Quartz	-	-
Ambient Temperature	Ta	-	25	-	°C
Package Type	DIP2212				

### Typical Performance



Package Outline
Matching Configuration



L1 = 180 + 330 = 510 nH  
 L2 = 560 nH  
 Nominal Source/Load Impedance : 50 Ω

*Note: Component values may change depending on board layout.*