

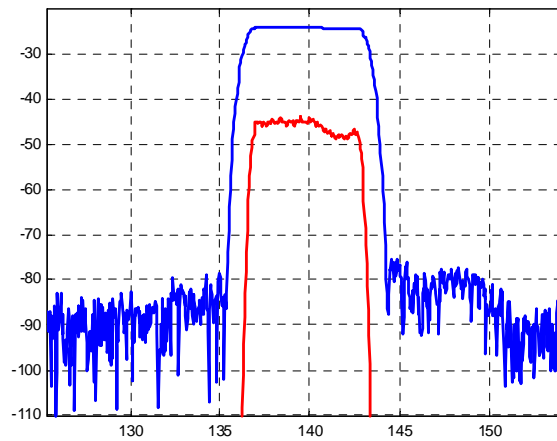
140 MHz Bandpass SAW Filter

**BP62211**

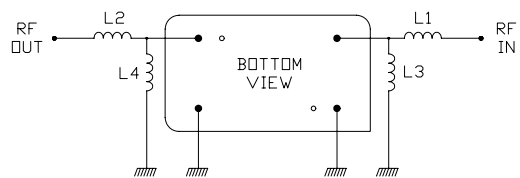
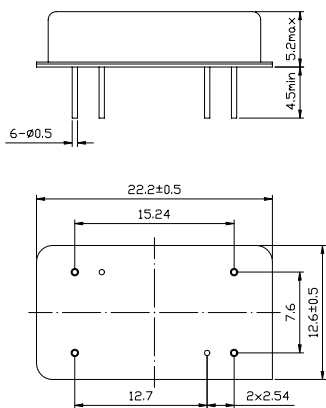
6.6 MHz Bandwidth

Electrical Characteristics					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	139.9	140	140.1	MHz
Insertion Loss at fc	IL	-	23.6	26.0	dB
1 dB Bandwidth	BW <sub>1</sub>	6.0	6.16	-	MHz
3 dB Bandwidth	BW <sub>3</sub>	-	6.6	-	MHz
40dB Bandwidth	BW <sub>40</sub>	-	8.59	8.70	MHz
50dB Bandwidth	BW <sub>50</sub>	-	8.85	-	MHz
Passband Variation	-	-	0.5	1.0	dB
Phase Linearity	-	-	5.2	7.0	Deg
Group Delay Variation	-	-	25	50	nsec
Absolute Delay	-	-	2.23	-	μsec
Ultimate Rejection at 12 MHz	-	55	60	-	dB
Substrate Material	-	-	Quartz	-	-
Ambient Temperature	Ta	-	25	-	°C

**Typical Performance**



**Package Outline** **Matching Configuration**



L1 : 248 nH, L2 : 248 nH  
 L3 : 120 nH, L4 : 100 nH  
 Nominal Source/Load Impedance : 50 Ω