

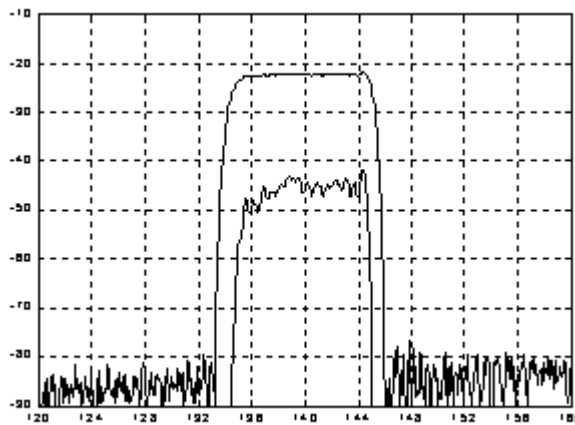
140 MHz Bandpass SAW Filter

10 MHz Bandwidth

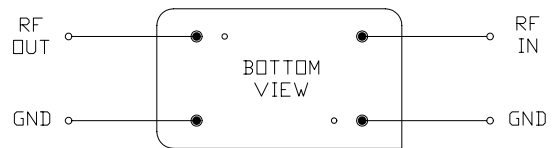
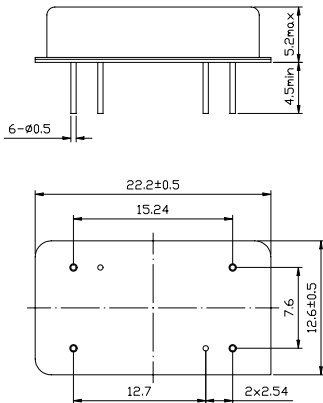
**BP62170**

Electrical Characteristics					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	139.85	140.00	140.15	MHz
Insertion Loss at fc	IL	-	22.0	24.0	dB
1 dB Bandwidth	BW <sub>1</sub>	9.5	9.9	-	MHz
3 dB Bandwidth	BW <sub>3</sub>	10.0	10.4	-	MHz
40dB Bandwidth	BW <sub>40</sub>	-	12.55	13.0	MHz
Passband Variation	-	-	0.5	0.8	dB
Phase Linearity	-	-	3.0	5.0	Deg
Group Delay Variation	-	-	40	60	nsec
Absolute Delay	-	-	1.45	-	μsec
Ultimate Rejection	-	50	55	-	dB
Substrate Material	-	-	YZ-LiNbO <sub>3</sub>	-	-
Ambient Temperature	Ta	-	25	-	°C

**Typical Performance**



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



No Matching Required  
Nominal Source/Load Impedance : 50 Ω