

# 140 MHz Bandpass SAW Filter

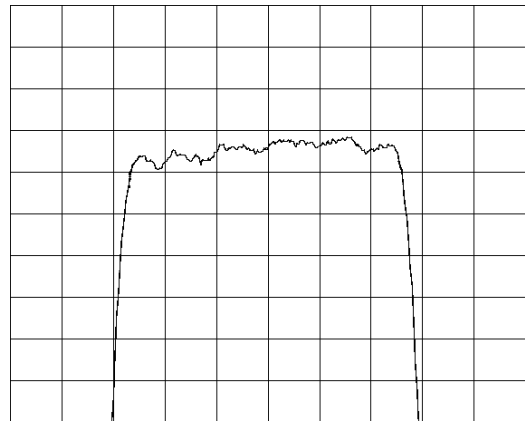
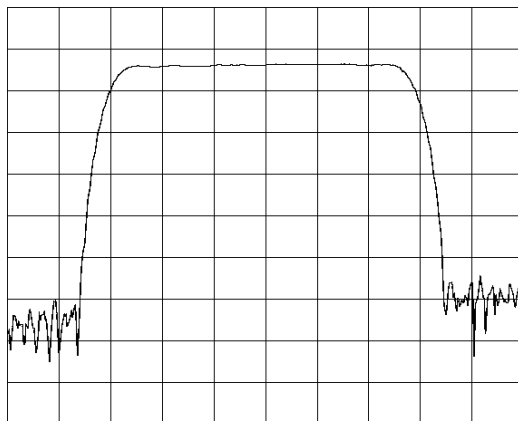
## 28 MHz Bandwidth

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

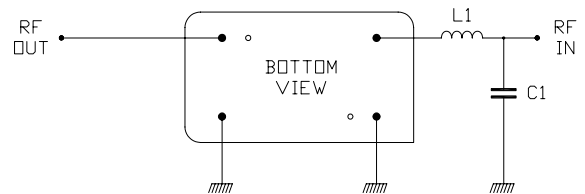
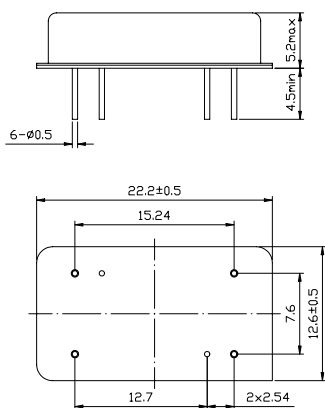
# BP62100

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	139.75	140	140.25	MHz
Insertion Loss at fc	IL	-	24.8	26.5	dB
1 dB Bandwidth	BW <sub>1</sub>	26.4	26.75	-	MHz
3 dB Bandwidth	BW <sub>3</sub>	28.0	28.35	-	MHz
40dB Bandwidth	BW <sub>40</sub>	-	34.82	36.0	MHz
50dB Bandwidth	BW <sub>50</sub>	-	35.50	36.4	MHz
Passband Variation	-	-	0.5	0.7	dB
Phase Linearity	-	-	3	6	Deg
Group Delay Variation	-	-	10	50	nsec
Absolute Delay	-	-	1.042	-	μsec
Ultimate Rejection	-	50	60	-	dB
Substrate Material	-	-	128-LiNbO <sub>3</sub>	-	-
Ambient Temperature	Ta	-	25	-	°C
Operatable Temperature Range	To	-45	-	85	°C

### Typical Performance



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



L1 = 47nH      C1 = 18pF  
Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on