

# 140 MHz Bandpass SAW Filter

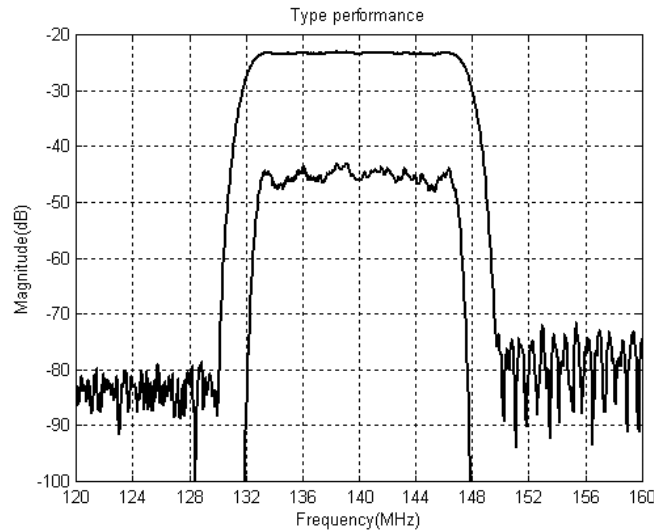
## BP62151

### 15 MHz Bandwidth

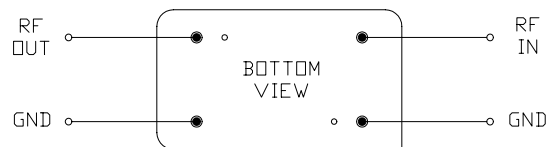
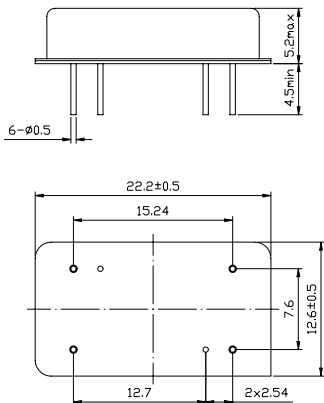
*Complies with Directive 2002/95/EC (RoHS Compliant)*

Electrical Characteristics					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	$f_c$	139.85	140.00	140.15	MHz
Insertion Loss at $f_c$	$IL$	-	22.8	24.0	dB
1dB Bandwidth	$BW_1$	15.00	15.03	-	MHz
3 dB Bandwidth	$BW_3$	15.05	15.35	-	MHz
40dB Bandwidth	$BW_{40}$	-	16.54	16.60	MHz
50dB Bandwidth	$BW_{50}$	-	16.85	16.60	MHz
Phase Linearity	-	-	4	6	Deg
Passband Variation	$\Delta\alpha$	-	0.5	1.0	dB
Group Delay Variation	-	-	65	90	nsec
Absolute Delay	-	-	2.47	3	$\mu$ sec
Ultimate Rejection	$\alpha_{rej}$	50	55	-	dB
Substrate Material	-	-	YZ-LiNbO <sub>3</sub>	-	-
Ambient Temperature	$T_a$	-	+25	-	°C
Package Type	-	DIP2212			

### Typical Performance



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



No Matching Required

Nominal Source/Load Impedance : 50  $\Omega$

*Note: Component values may change depending on board*