

140 MHz Bandpass SAW Filter

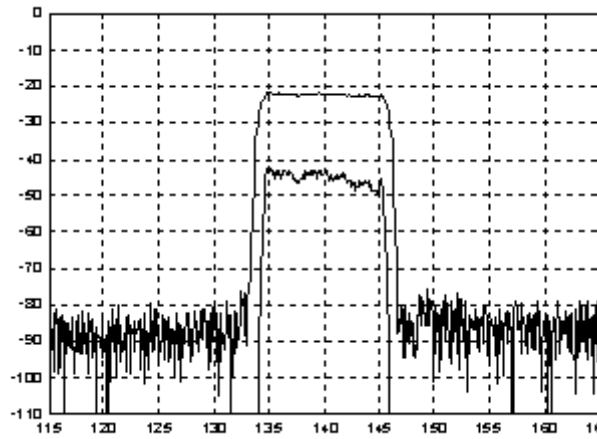
11.37 MHz Bandwidth

**BP62171**

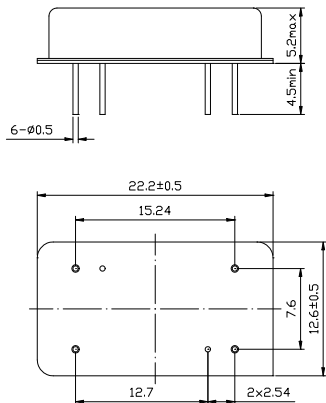
**ELECTRICAL CHARACTERISTICS**

Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	$f_c$	139.85	140.00	140.15	MHz
Insertion Loss at $f_c$	$IL$	-	22.3	25.0	dB
1dB Bandwidth	$BW_1$	10.8	10.9	-	MHz
3dB Bandwidth	$BW_3$	-	11.37	-	MHz
40dB Bandwidth	$BW_{40}$	-	13.02	-	MHz
55dB Bandwidth	$BW_{55}$	-	13.30	-	MHz
Passband Variation	$\Delta\alpha$	-	0.5	0.9	dB
Phase Linearity	-	-	3	5	Deg
Group Delay Variation	$\Delta\tau$	-	50	100	nsec
Absolute Delay	$\tau$	-	1.87	-	$\mu$ sec
Ultimate Rejection	$\alpha_{rej}$	50	55	-	dB
Substrate Material	-	-	YZ-LiNbO <sub>3</sub>	-	-
Operating Temperature	$T$	-40	-	+85	°C

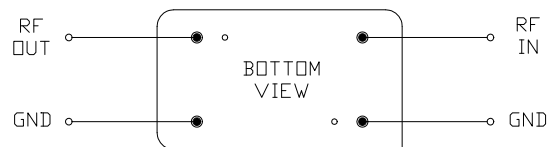
**TYPICAL PERFORMANCE**



**PACKAGE OUTLINE**



**MATCHING CONFIGURATION**



No Matching Required  
Nominal Source/Load Impedance : 50  $\Omega$