

# 70 MHz Bandpass SAW Filter

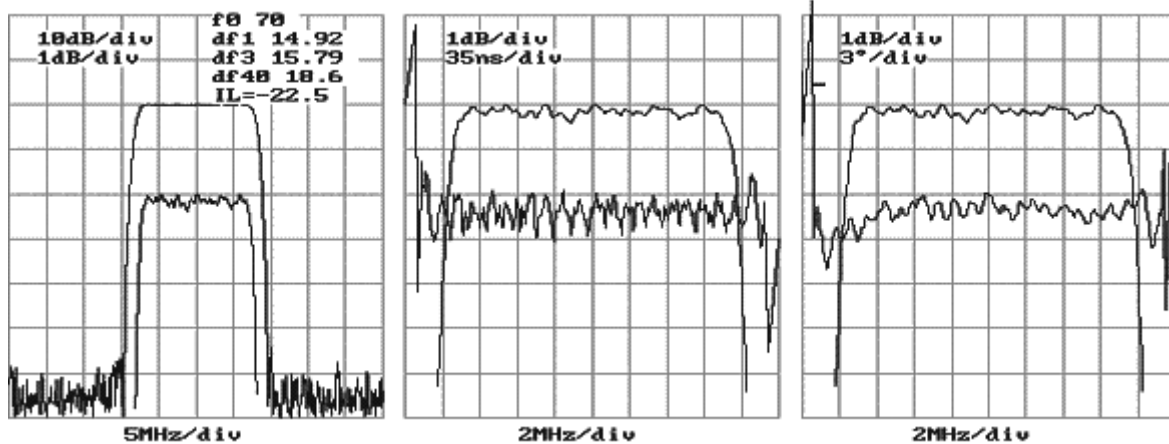
## BP60140

### 15 MHz Bandwidth

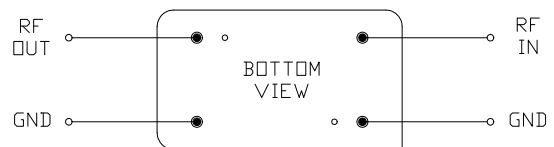
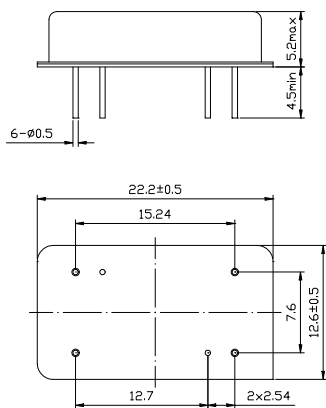
*Complies with Directive 2002/95/EC (RoHS Compliant)*

Electronic Characteristics					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	$f_c$	69.85	70.00	70.15	MHz
Insertion Loss at $f_c$	$IL$	-	21.8	25.0	dB
1 dB Bandwidth	$BW_1$	14.6	14.97	-	MHz
3 dB Bandwidth	$BW_3$	15.0	15.7	-	MHz
40dB Bandwidth	$BW_{40}$	-	18.6	19.2	MHz
Passband Variation	-	-	0.3	0.7	dB
Phase Linearity	-	-	3.0	5.0	Deg
Group Delay Variation	-	-	30	60	nsec
Absolute Delay	-	-	1.5	-	µsec
Ultimate Rejection	-	50	60	-	dB
Substrate Material	-	-	128-LiNbO <sub>3</sub>	-	-
Ambient Temperature	$T_a$	-	25	-	°C

### Typical Performance



Package Outline
Matching Configuration



No Matching Required  
Nominal Source/Load Impedance : 50 Ω

*Note: Component values may change depending on board*