

# 70 MHz Bandpass SAW Filter

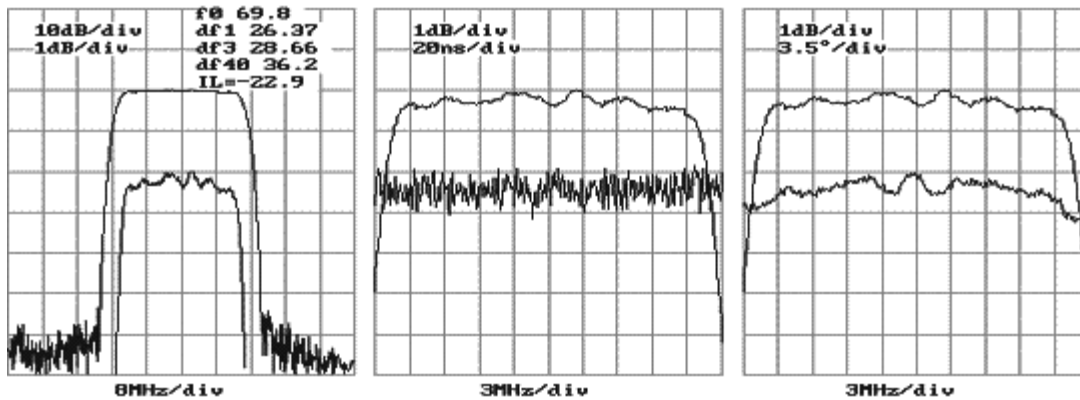
## BP60070

### 28 MHz Bandwidth

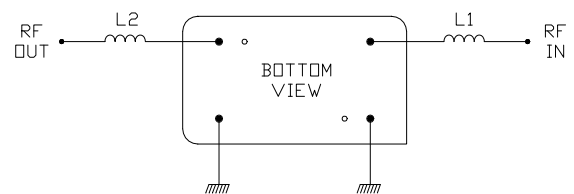
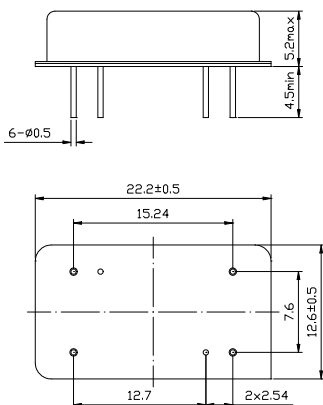
*Complies with Directive 2002/95/EC (RoHS Compliant)*

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	$f_c$	69.8	70	70.2	MHz
Insertion Loss at $f_c$	$IL$	-	22.9	27.5	dB
1 dB Bandwidth	$BW_1$	25.6	26.3	-	MHz
3 dB Bandwidth	$BW_3$	28.0	28.6	-	MHz
40dB Bandwidth	$BW_{40}$	-	36.2	37.7	MHz
Passband Variation	$\Delta\alpha$	-	0.5	1.0	dB
Phase Linearity	-	-	3.5	5.0	Deg
Group Delay Variation	$\Delta\tau$	-	20	40	nsec
Absolute Delay	$\tau$	-	1.4	-	$\mu$ sec
Ultimate Rejection	$\alpha_{rej}$	45	55	-	dB
Substrate Material	-	-	128-LiNbO <sub>3</sub>	-	-
Ambient Temperature	$T_A$	-	25	-	°C
Operating Temperature Range	$T_o$	-40	-	85	°C

### Typical Performance



Package Outline
Matching Configuration



L1 : 335 nH L2 : 403 nH  
 Nominal Source/Load Impedance : 50  $\Omega$