

# 70 MHz Bandpass SAW Filter

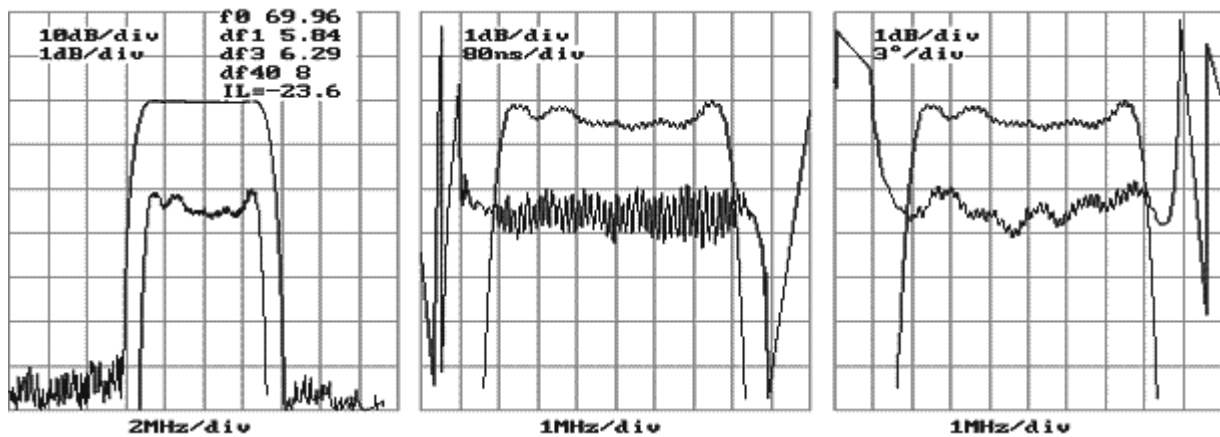
## BP60270

### 6 MHz Bandwidth

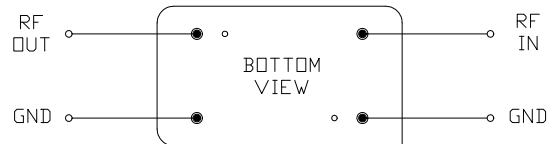
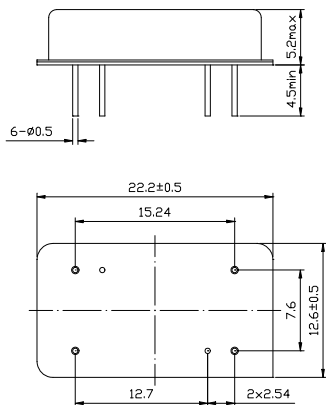
*Complies with Directive 2002/95/EC (RoHS Compliant)*

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	$f_c$	69.9	70	70.1	MHz
Insertion Loss at $f_c$	$IL$	-	22.0	24.5	dB
1 dB Bandwidth	$BW_1$	5.6	5.8	-	MHz
3 dB Bandwidth	$BW_3$	6.0	6.2	-	MHz
40dB Bandwidth	$BW_{40}$	-	7.85	8.1	MHz
Passband Variation	-	-	0.6	1.0	dB
Phase Linearity	-	-	3.0	5.0	Deg
Group Delay Variation	-	-	45	80	nsec
Absolute Delay	-	-	2.0	3.0	$\mu$ sec
Ultimate Rejection	-	50	55	-	dB
Substrate Material	-	-	YZ-LiTaO <sub>3</sub>	-	-
Ambient Temperature	$T_a$	-	25	-	°C

### Typical Performance



Package Outline
Matching Configuration



No Matching Required

Nominal Source/Load Impedance : 50  $\Omega$

*Note: Component values may change depending on board*