

## 70 MHz Bandpass SAW Filter

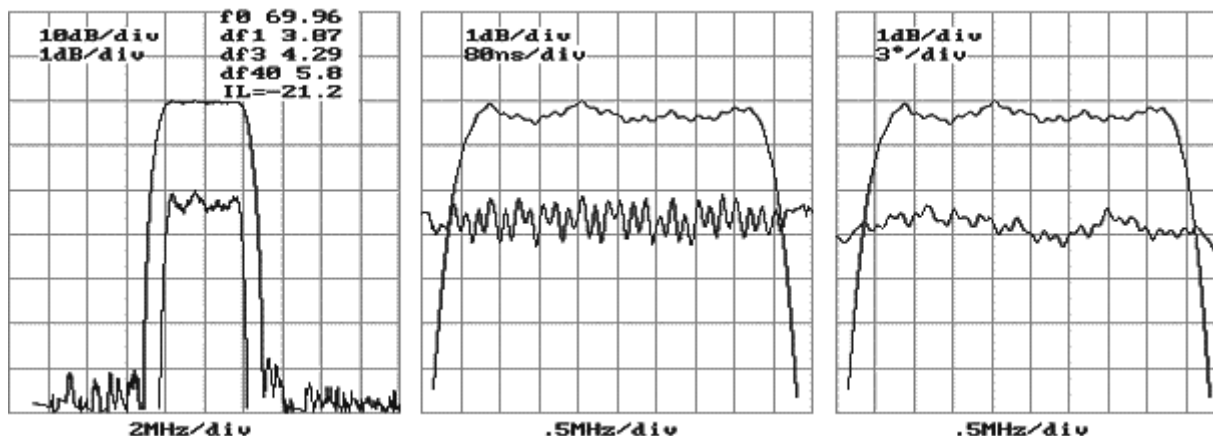
**BP60310**

## 4 MHz Bandwidth

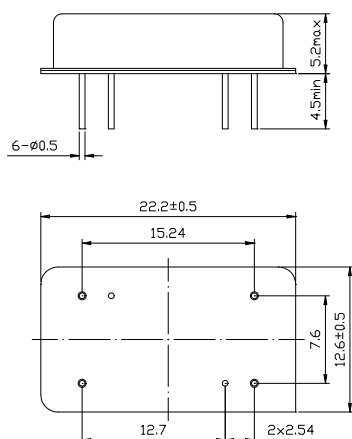
Complies with Directive 2002/95/EC (RoHS Compliant)

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	$f_c$	69.9	70.0	70.1	MHz
Insertion Loss at $f_c$	$IL$	-	21.5	25.0	dB
1 dB Bandwidth	$BW_1$	3.7	3.8	-	MHz
3 dB Bandwidth	$BW_3$	4.0	4.2	-	MHz
40dB Bandwidth	$BW_{40}$	-	5.8	6.1	MHz
Passband Variation	$\Delta\alpha$	-	0.4	0.8	dB
Phase Linearity	-	-	3.0	6.0	Deg
Group Delay Variation	-	-	80	100	nsec
Absolute Delay	-	-	3	-	$\mu$ sec
Ultimate Rejection	$\alpha_{rej}$	50	60	-	dB
Substrate Material	-	-	112-LiTaO <sub>3</sub>	-	-
Ambient Temperature	$T_a$	-	25	-	°C
Package Type	-	DIP2212			

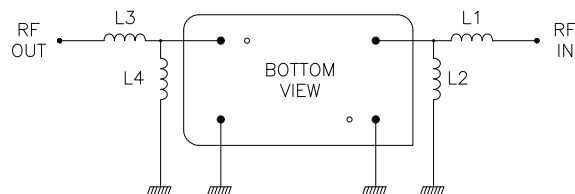
## Typical Performance



## Package Outline



## Matching Configuration



$$L1 = L3 = 168 \text{ nH}$$

$$L2 = L4 = 270 \text{ nH}$$

Nominal Source/Load Impedance : 50  $\Omega$ 

Note: Component values may change depending on board layout.