

# 70 MHz Bandpass SAW Filter

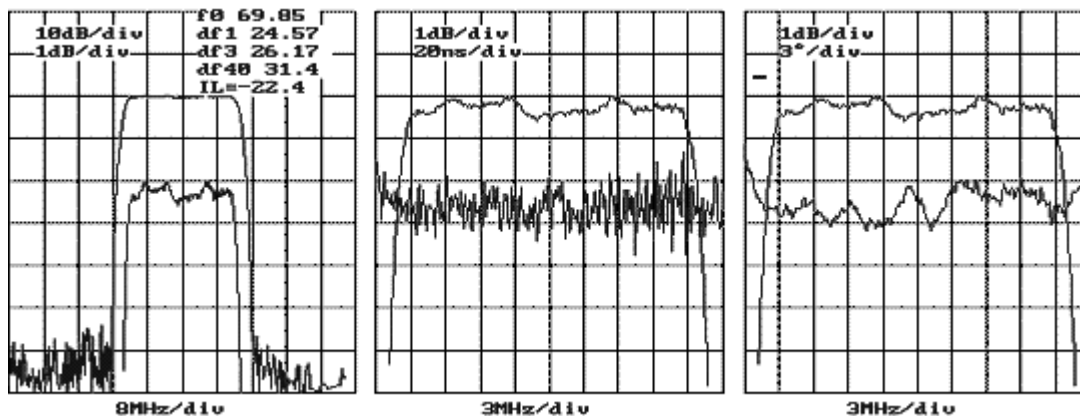
## BP60080

### 26 MHz Bandwidth

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

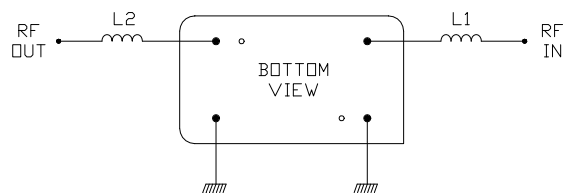
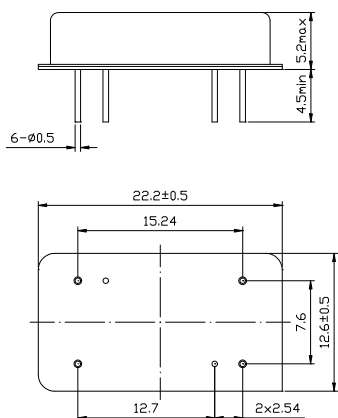
Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	$f_c$	69.8	70	70.2	MHz
Insertion Loss at $f_c$	$IL$	-	21.6	24.0	dB
1 dB Bandwidth	$BW_1$	24.5	25.2	-	MHz
3 dB Bandwidth	$BW_3$	26.0	26.3	-	MHz
40dB Bandwidth	$BW_{40}$	-	30.7	34.0	MHz
Passband Variation	$\Delta\alpha$	-	0.5	1.0	dB
Phase Linearity	-	-	6	8	Deg
Group Delay Variation	$\Delta\tau$	-	30	35	nsec
Absolute Delay	$\tau$	-	1.22	-	$\mu$ sec
Ultimate Rejection	$\alpha_{rej}$	50	60	-	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



$L1 = 220\text{nH}$   $L2 = 220\text{nH} + 39\text{nH}$   
 Nominal Source/Load Impedance : 50  $\Omega$

*Note: Component values may change depending on board*