

70 MHz Bandpass SAW Filter

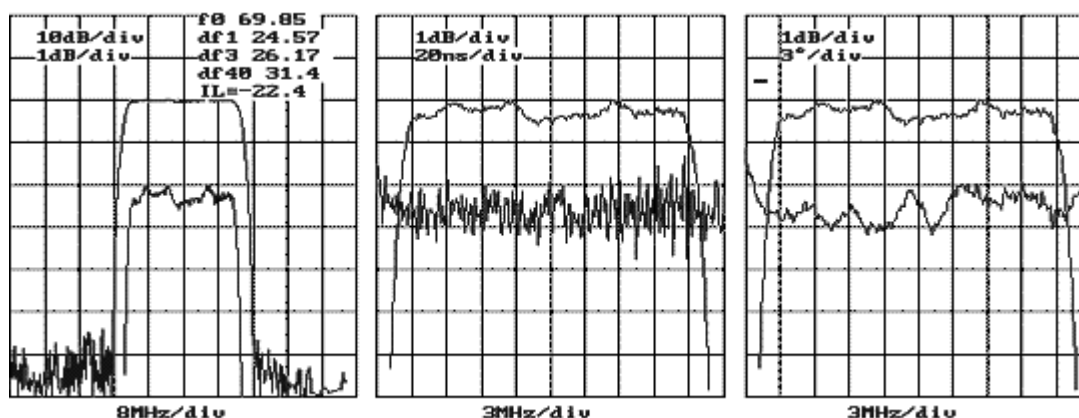
26 MHz Bandwidth

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

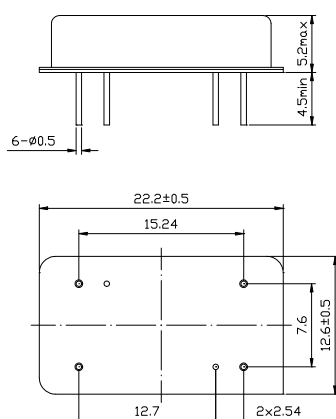
BP60080

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	τ	-	1.22	-	μ sec
Ultimate Rejection	α_{rej}	50	60	-	dB
Substrate Material	-	-	128-LiNbO ₃	-	-
Ambient Temperature	T_A	-	25	-	°C
Operating Temperature Range	T_o	-40	-	85	°C

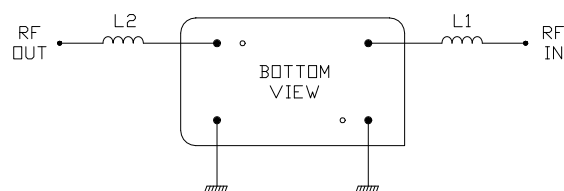
Typical Performance



Package Outline



Matching Configuration



$$L1 = 220\text{nH} \quad L2 = 220\text{nH} + 39\text{nH}$$

Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board