

70 MHz Bandpass SAW Filter

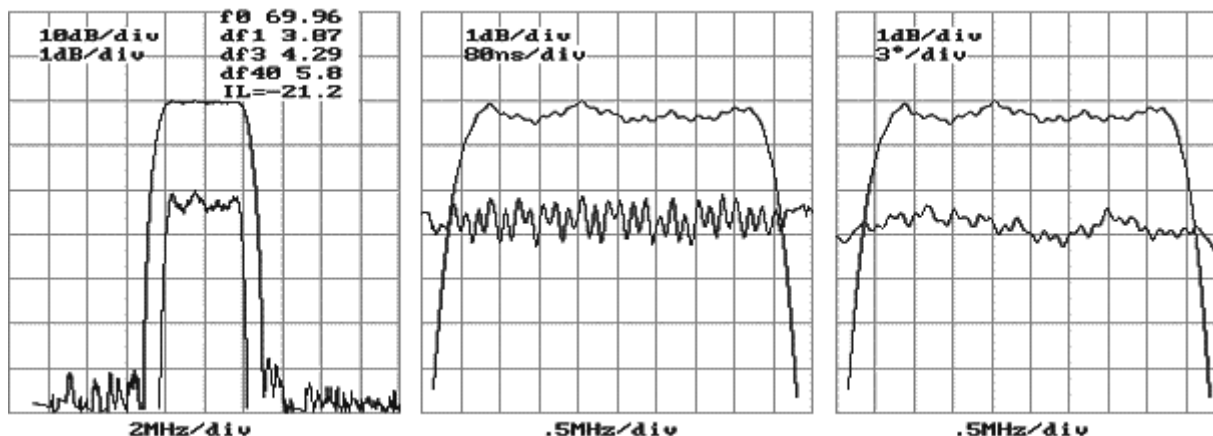
BP60310

4 MHz Bandwidth

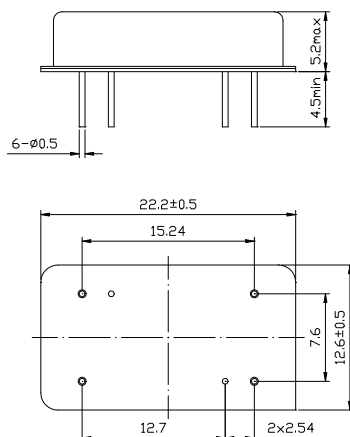
Complies with Directive 2002/95/EC (RoHS Compliant)

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	-	μ sec
Ultimate Rejection	α_{rej}	50	60	-	dB
Substrate Material	-	-	112-LiTaO ₃	-	-
Ambient Temperature	T_a	-	25	-	°C
Package Type	-	DIP2212			

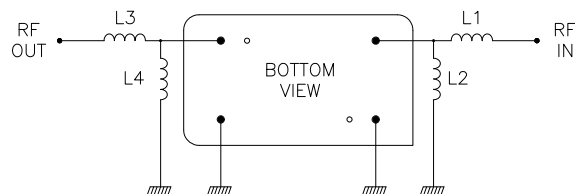
Typical Performance



Package Outline



Matching Configuration



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

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

Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board layout.