

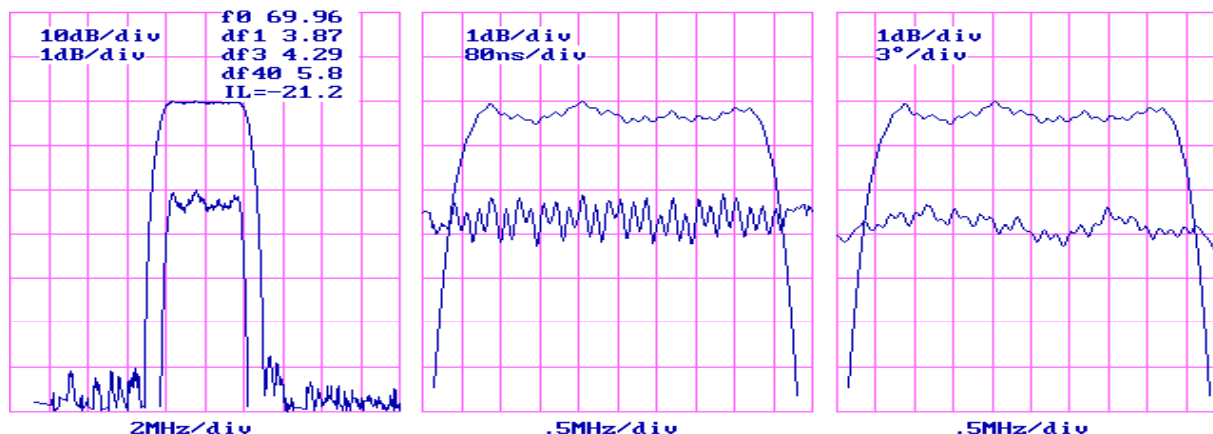
70 MHz Bandpass SAW Filter

4 MHz Bandwidth

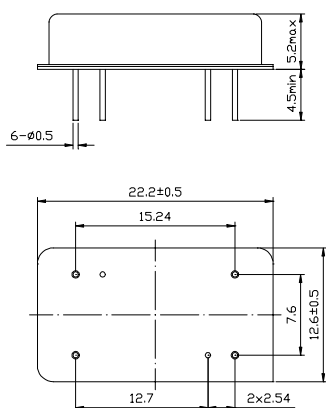
LBT7031

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	69.91	70	70.09	MHz
Insertion Loss at fc	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	-	-	0.4	0.8	dB
Phase Linearity	-	-	3.0	6.0	Deg
Group Delay Variation	-	-	80	100	nsec
Absolute Delay	-	-	3.0	-	μsec
Ultimate Rejection	-	50	60	-	dB
Substrate Material	-	-	112-LiTaO ₃	-	-
Ambient Temperature	Ta	-	25	-	°C
Operating Temperature Range	To	-55	25	85	°C

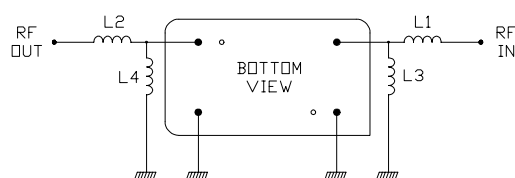
Typical Performance



Package Outline



Matching Configuration



L1 : L2 : 168 nH

L3 : L4 : 270 nH

Nominal Source/Load Impedance : 50 Ω