

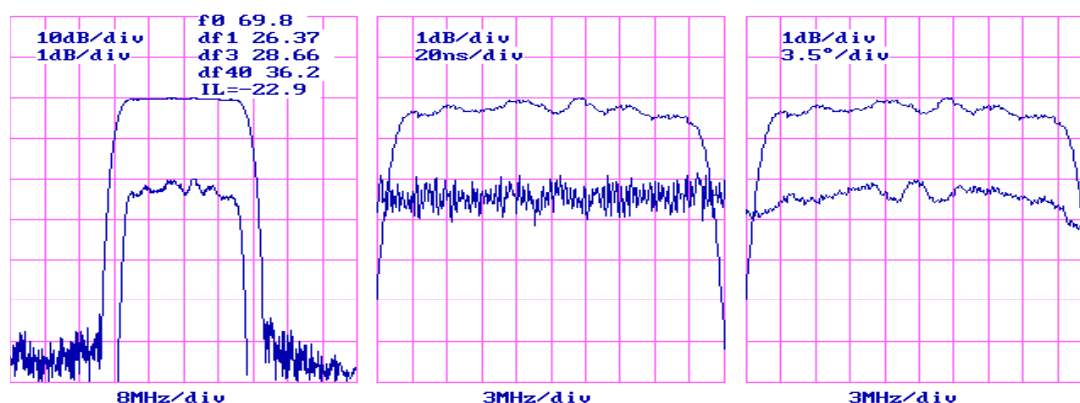
70 MHz Bandpass SAW Filter

28 MHz Bandwidth

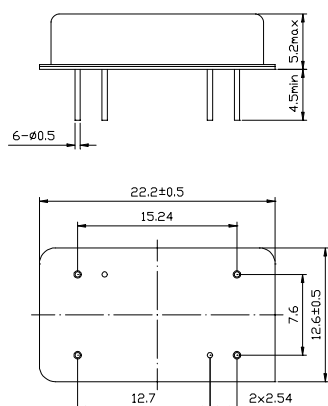
LBN7007

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	69.8	70	70.2	MHz
Insertion Loss at fc	IL	-	22.9	27.5	dB
1 dB Bandwidth	BW ₁	25.6	26.3	-	MHz
3 dB Bandwidth	BW ₃	28.0	28.6	-	MHz
40dB Bandwidth	BW ₄₀	-	36.2	37.7	MHz
Passband Variation	-	-	0.5	1.0	dB
Phase Linearity	-	-	3.5	5.0	Deg
Group Delay Variation	-	-	20	40	nsec
Absolute Delay	-	-	1.4	-	μsec
Ultimate Rejection	-	45	55	-	dB
Substrate Material	-	-	128-LiNbO ₃	-	-
Ambient Temperature	Ta	-	25	-	°C
Operating Temperature Range	To	-55	25	85	°C

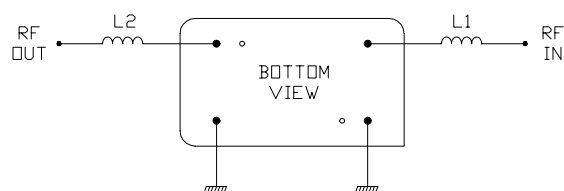
Typical Performance



Package Outline



Matching Configuration



L1 : 335 nH L2 : 403 nH

Nominal Source/Load Impedance : 50 Ω