

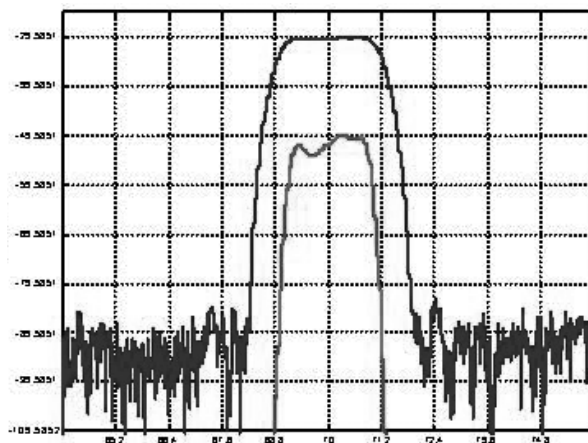
70 MHz Bandpass SAW Filter

2 MHz Bandwidth

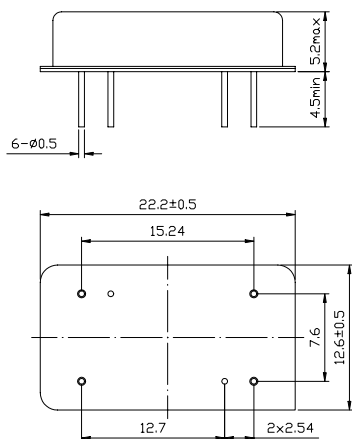
BP60350

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	69.92	70	70.08	MHz
Insertion Loss at fc	IL	-	24.0	26.0	dB
1 dB Bandwidth	BW ₁	1.8	1.9	-	MHz
3 dB Bandwidth	BW ₃	2.0	2.2	-	MHz
40dB Bandwidth	BW ₄₀	-	3.5	3.8	MHz
Passband Variation	-	-	0.4	0.7	dB
Phase Linearity	-	-	1.16	4.0	Deg
Group Delay Variation	-	-	33	90	nsec
Absolute Delay	-	-	2.8	-	μsec
Ultimate Rejection	-	50	55	-	dB
Substrate Material	-	-	Quartz	-	-
Ambient Temperature	Ta	-	25	-	°C
Operating Temperature Range	To	-40	-	85	°C

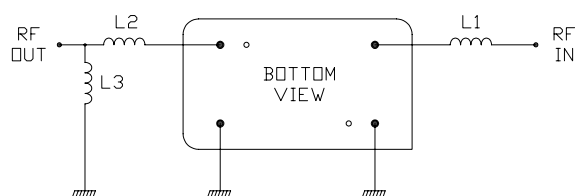
Typical Performance



Package Outline



Matching Configuration



$$\begin{aligned}L1 &= 270\text{nH} + 56\text{nH} = 326\text{nH} \\L2 &= 270\text{nH} + 180\text{nH} = 450\text{nH} \\L3 &= 180\text{nH}\end{aligned}$$

Nominal Source/Load Impedance : 50 Ω