

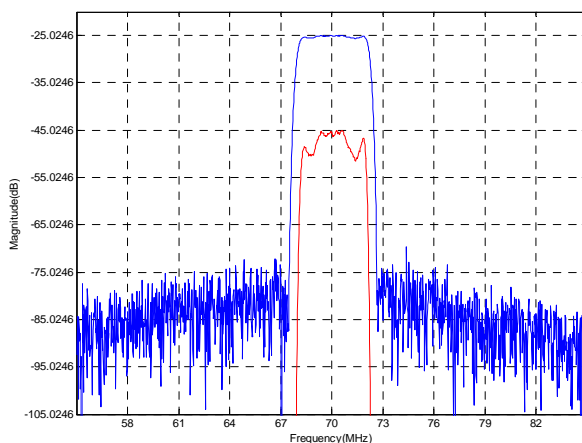
# 70 MHz Bandpass SAW Filter

## 4.1 MHz Bandwidth

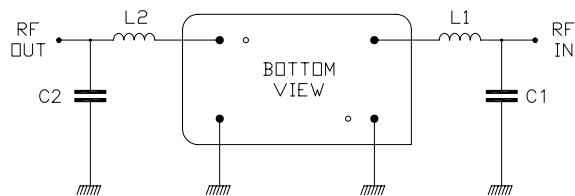
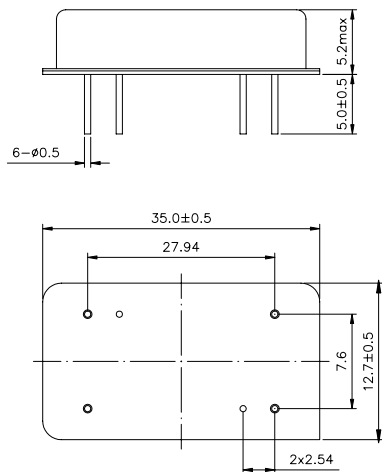
# BP60670

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	69.9	70	70.1	MHz
Insertion Loss at fc	IL	-	22.7	25.0	dB
1dB Bandwidth	BW <sub>1</sub>	3.84	3.86	-	MHz
3dB Bandwidth	BW <sub>3</sub>	4.10	4.14	-	MHz
20dB Bandwidth	BW <sub>20</sub>	-	27.47	-	MHz
30dB Bandwidth	BW <sub>30</sub>	-	27.87	-	MHz
50dB Bandwidth	BW <sub>50</sub>	-	5.12	5.20	MHz
Passband Variation	-	-	0.6	1.0	dB
Absolute Delay	-	-	3.82	-	μsec
Ultimate Rejection	-	50	53	-	dB
Substrate Material	-	-	112-LiTaO <sub>3</sub>	-	-
Ambient Temperature	Ta	-	25	-	°C
Operating Temperature Range	To	-55	25	85	°C

### Typical Performance



**Package Outline**
**Matching Configuration**



L1 : 150 nH   L2 : 150 nH  
 C1 : 50 pF   C2 : 80 pF