

70 MHz Bandpass SAW Filter

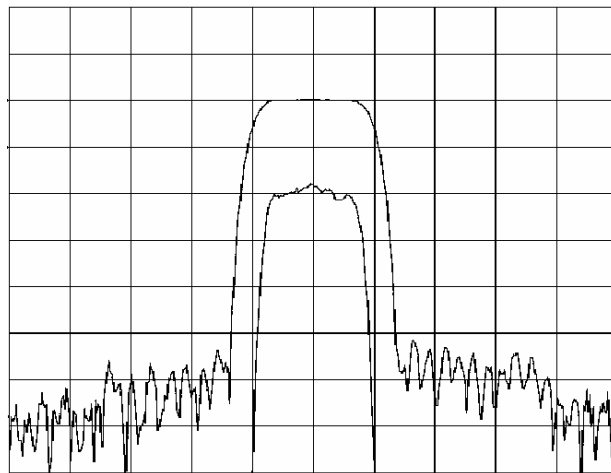
BP60320

3.5 MHz Bandwidth

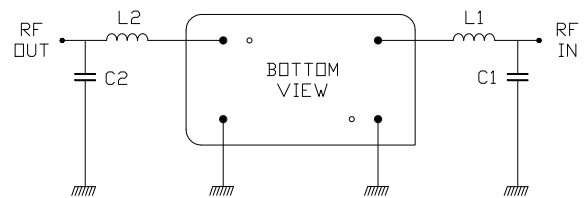
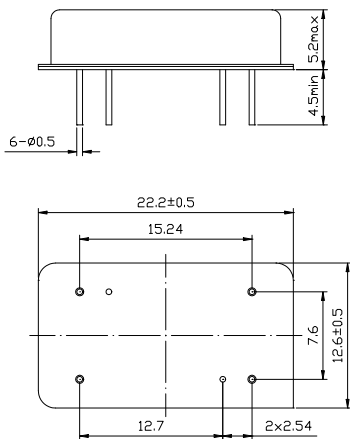
Complies with Directive 2002/95/EC (RoHS Compliant)

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	-	26.0	27.5	dB
1 dB Bandwidth	BW_1	3.0	3.3	-	MHz
3 dB Bandwidth	BW_3	3.5	3.7	-	MHz
40dB Bandwidth	BW_{40}	-	5.2	5.6	MHz
Passband Variation	-	-	0.5	1.0	dB
Phase Linearity	-	-	4.0	8.0	Deg
Group Delay Variation	-	-	40	100	nsec
Absolute Delay	-	-	2.24	-	μsec
Ultimate Rejection	-	50	60	-	dB
Substrate Material	-	-	Quartz	-	-
Ambient Temperature	T_a	-	25	-	°C
Operatable Temperature Range	T_o	-40	-	85	°C

Typical Performance



Package Outline
Matching Configuration



$L1 = 560 + 47 = 607 \text{ nH}$ $C1 = 51 \text{ pF}$
 $L2 = 560 + 82 = 642 \text{ nH}$ $C2 = 51 \text{ pF}$
 Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board layout.