70 MHz Bandpass SAW Filter

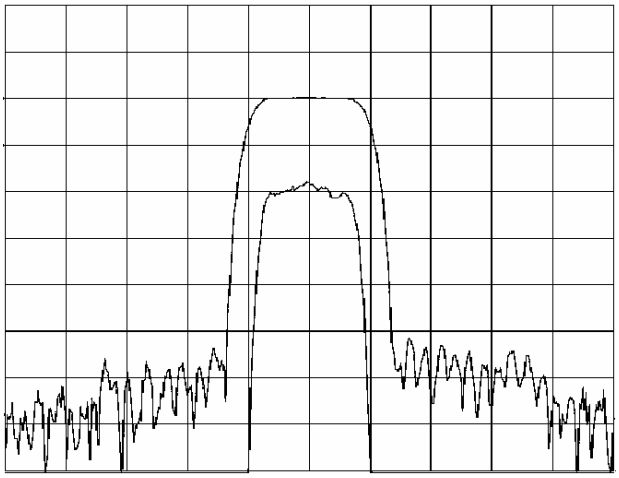
3.5 MHz Bandwidth

BP60320

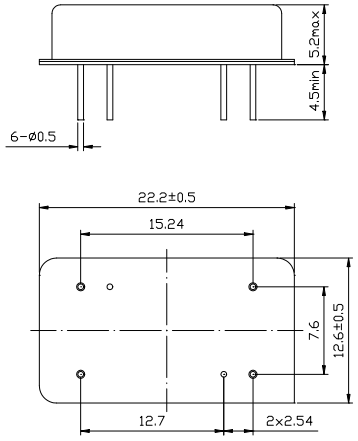
Complies with Directive 2002/95/EC (RoHS Compliant)

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	*fc*	69.9	70.0	70.1	MHz
Insertion Loss at fc	*IL*	-	26.0	27.5	dB
1 dB Bandwidth	*BW1*	3.0	3.3	-	MHz
3 dB Bandwidth	*BW3*	3.5	3.7	-	MHz
40dB Bandwidth	*BW40*	-	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	*Ta*	-	25	-	°C
Operatable Temperature Range	*To*	-40	-	85	°C

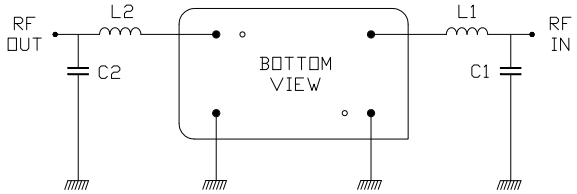
Typical Performance



Package Outline



Matching Configuration



L1 = 560 + 47 = 607 nH C1 = 51 pF

L2 = 560 + 82 = 642 nH C2 = 51 pF

Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board layout.

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