70 MHz Bandpass SAW Filter

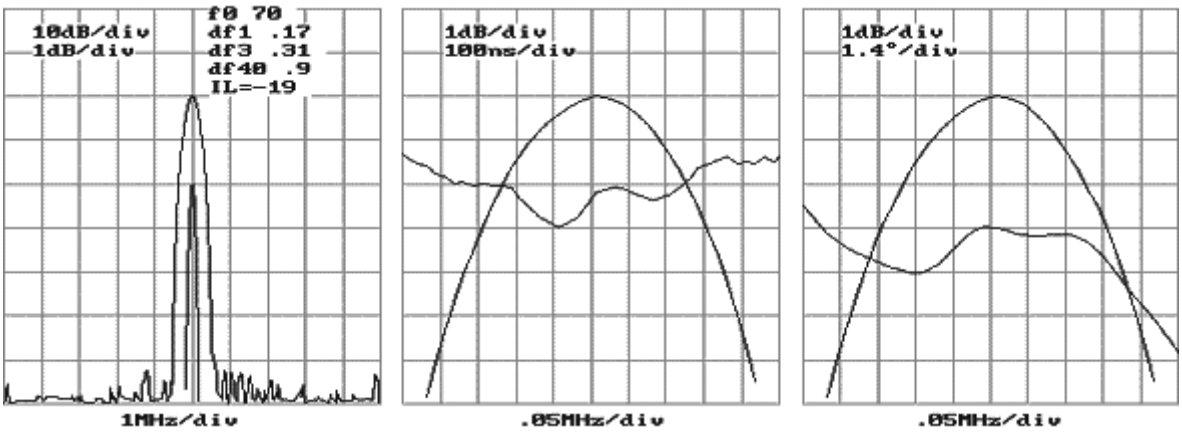
250 KHz Bandwidth

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

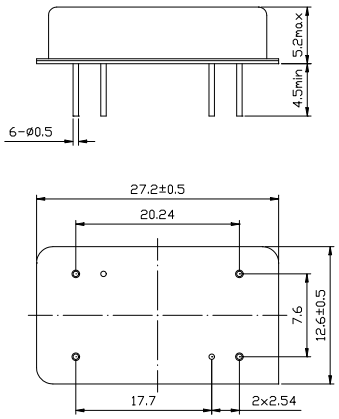
BP60400

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	*fc*	69.95	70.00	70.05	MHz
Insertion Loss at fc	*IL*	-	16.0	20.0	dB
1 dB Bandwidth	BW_1	0.16	0.17	-	MHz
3 dB Bandwidth	BW_3	0.25	0.30	-	MHz
40dB Bandwidth	BW_{40}	-	0.93	1.0	MHz
Passband Variation	-	-	0.6	1.0	dB
Phase Linearity	-	-	5	7	degrees
Group Delay Variation	-	-	100	350	nsec
Absolute Delay	-	-	3.2	-	µsec
Ultimate Rejection	-	50	55	-	dB
Substrate Material	-	-	Quartz	-	-
Ambient Temperature	*Ta*	-	25	-	°C

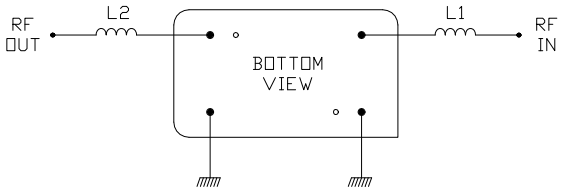
Typical Performance



Package Outline



Matching Configuration



L1 = L2 = 120 nH

Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board

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