70 MHz Bandpass SAW Filter

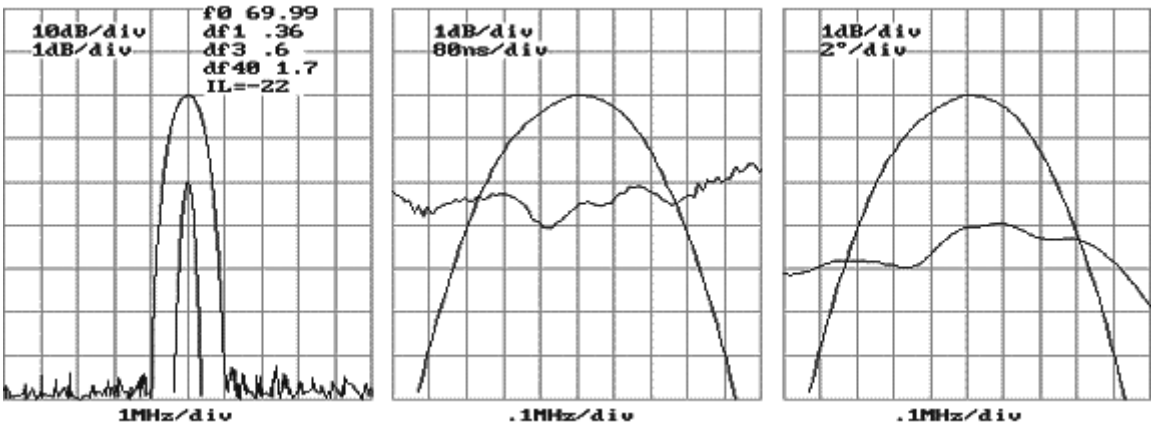
500 KHz Bandwidth

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

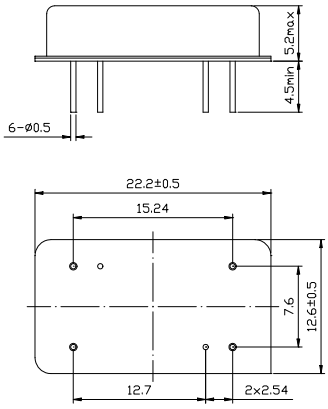
BP60390

Specifications					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	*fc*	69.95	70	70.05	MHz
Insertion Loss at fc	*IL*	-	16.5	20.0	dB
1 dB Bandwidth	BW_1	0.31	0.37	-	MHz
3 dB Bandwidth	BW_3	0.50	0.61	-	MHz
40dB Bandwidth	BW_{40}	-	1.6	1.8	MHz
Passband Variation	-	-	0.6	1.0	dB
Phase Linearity	-	-	3.0	5.0	Deg
Group Delay Variation	-	-	100	180	nSec
Absolute Delay	-	-	2.6	-	µSec
Ultimate Rejection	-	50	55	-	dB
Substrate Material	-	-	Quartz	-	-
Ambient Temperature	*Ta*	-	25	-	°C

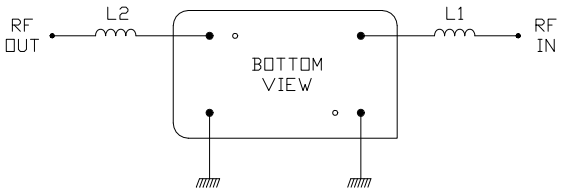
Typical Performance



Package Outline



Matching Configuration



L1 = L2 = 180 nH

Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board

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