

140 MHz Bandpass SAW Filter

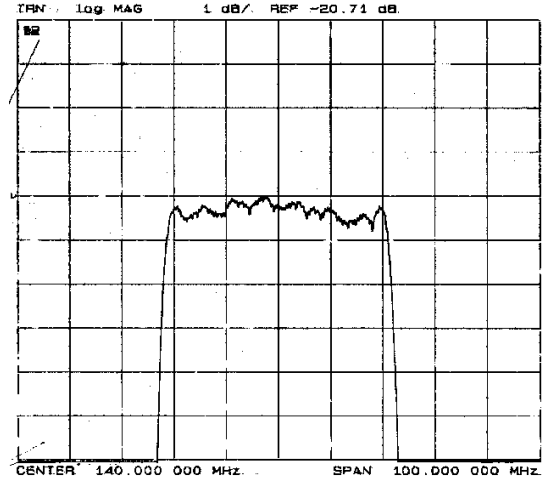
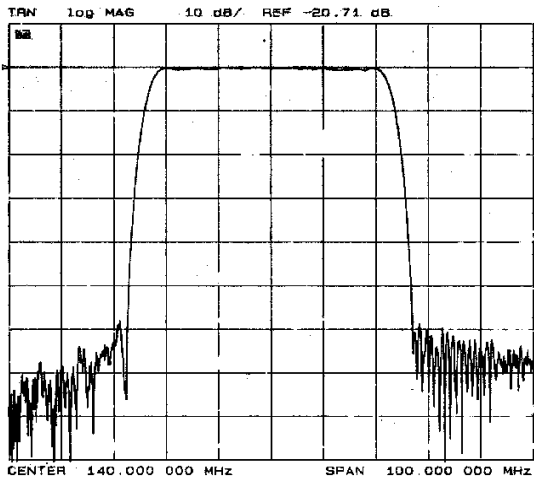
BP62060

44 MHz Bandwidth

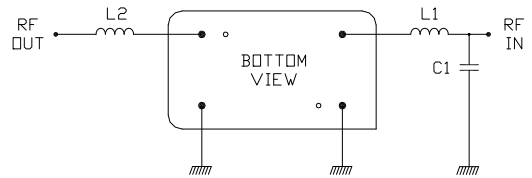
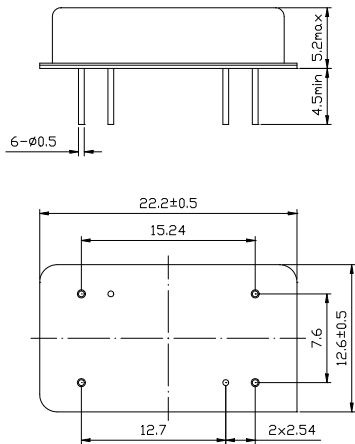
Complies with Directive 2002/95/EC (RoHS Compliant)

ELECTRICAL CHARACTERISTICS					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	f_c	139.75	140	140.25	MHz
Insertion Loss at fc	IL	-	21.0	25.0	dB
1 dB Bandwidth	BW_1	41.8	42.5	-	MHz
3 dB Bandwidth	BW_3	44.0	44.5	-	MHz
40dB Bandwidth	BW_{40}	-	52.9	53.1	MHz
Phase Linearity	-	-	5	7	Degrees
Passband Variation	$\Delta\alpha$	-	0.7	1.0	dB
Group Delay Variation	$\Delta\tau$	-	10	30	nSec
Absolute Delay	τ	-	0.96	-	μ Sec
Ultimate Rejection	α_{rej}	50	60	-	dB
Substrate Material	-	-	128 LiNbO ₃	-	-
Ambient Temperature	T_A	-	25	-	°C
Package	-	DIP 2212			

TYPICAL PERFORMANCE



PACKAGE OUTLINE MATCHING CONFIGURATION



L1 = 82 nH L2 = 82 nH
 C1 = 4.7 pF
 Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board layout.