

140 MHz Bandpass SAW Filter

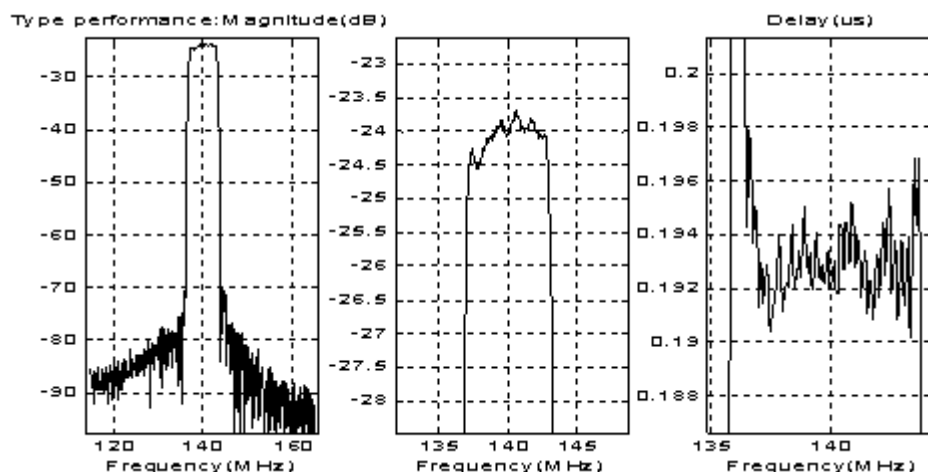
6.0 MHz Bandwidth

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

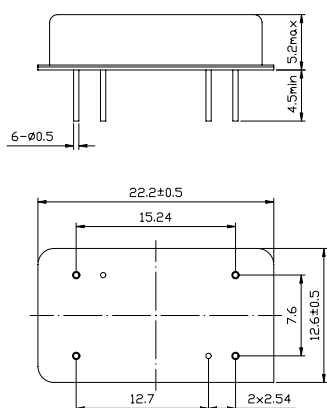
BP62210

Electrical Characteristics					
Parameter	Sym	Minimum	Typical	Maximum	Unit
Center Frequency at 25°C	fc	139.8	140	140.2	MHz
Insertion Loss at fc	IL	-	23.9	28.0	dB
1 dB Bandwidth	BW1	5.6	5.8	-	MHz
3 dB Bandwidth	BW3	6.0	6.3	-	MHz
40dB Bandwidth	BW40	-	8.1	8.4	MHz
50dB Bandwidth	BW50	-	8.4	9.0	MHz
Passband Variation	-	-	0.38	0.7	dB
Phase Linearity	-	-	3	4	Deg
Group Delay Variation	-	-	27	110	nsec
Absolute Delay	-	-	1.94	-	μsec
Ultimate Rejection	-	50	55	-	dB
Substrate Material	-	-	Quartz	-	-
Ambient Temperature	Ta	-	25	-	°C
Package Type	DIP2212				

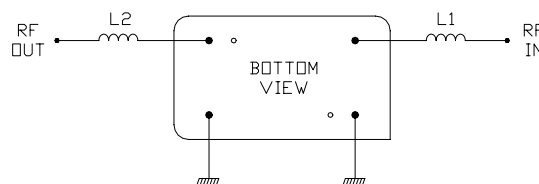
Typical Performance



Package Outline



Matching Configuration



$$L1 = 180 + 330 = 510 \text{ nH}$$

$$L2 = 560 \text{ nH}$$

Nominal Source/Load Impedance : 50 Ω

Note: Component values may change depending on board layout.