



Data Sheet

telephone
949 252 0522

BACK

Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
809-SL140.0M-18	9.1 x 6.5 SMD	Base Station & Repeater	Apr 18, 2007

TYPE :

140.0 MHz Bandpass Filter

Low Loss



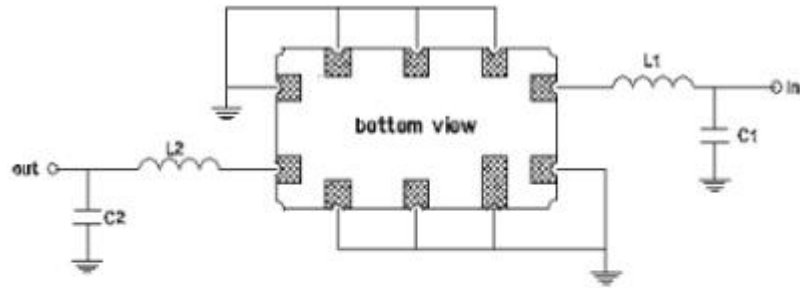
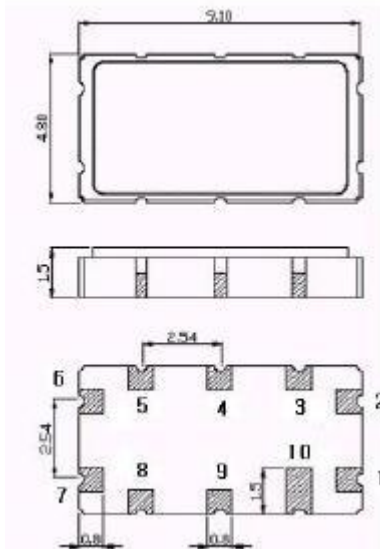
PART NUMBER :

809-SL140.0M-18**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	-	140.0	-	MHz
Insertion Loss at Fo	-	8.5	11.0	dB
Operating Temperature Range	-30	-	+80	°C
Storage Temperature Range	-40	-	+85	°C
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth at -1.0 dB	17.2	18.2	-	MHz
Bandwidth at -3.0 dB	18.0	19.2	-	MHz
Bandwidth at -35.0 dB	-	22.8	25.0	MHz
Relative Attenuation:	-			
from 100 to 124 MHz	40	46	-	dB
from 156 to 180 MHz	40	44	-	dB
Amplitude Ripple	-	0.6	1.0	dBp-p
Group Delay Variation	-	55	100	nsec
Absolute Delay at Fo	-	0.88	-	µsec
Temperature Coefficient	-	-94	-	ppm/°C
In/Out Return Loss at Fo	-	-	-	dB

*With Matching Network (Reference Testing Environment Circuit as shown) Modify Impedance Values as necessary.

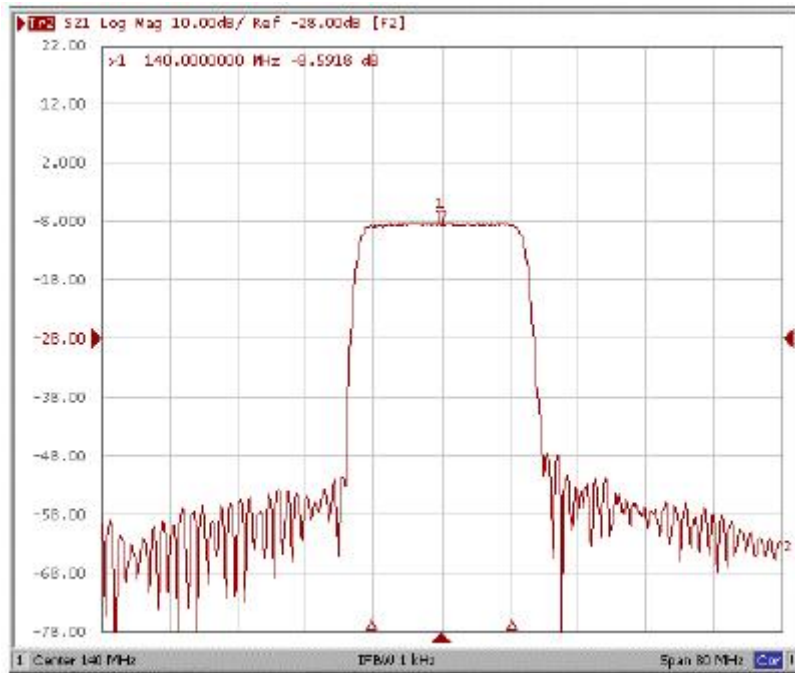
PACKAGE OUTLINE (mm)**TEST FIXTURE**



Test Fixture & Values	
Input	L1=56nH Q>40, C1=24pF
Output	L2=56nH Q>40, C2=30pF

PIN Descriptions IN-2,OUT-7,GROUND-1,3,4,5,6,8,9,10

FREQUENCY CHARACTERISTICS



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