



Data Sheet



Product Category: IF SAW Filter

Part Number  
820-IF146.9M-APackage  
20.2 x 12.6 Thru HoleApplication  
Base Station & RepeaterLast Modified  
May 24 2003

## TYPE :

146.9 MHz Bandpass Filter  
3.80 MHz Bandwidth

## PART NUMBER :

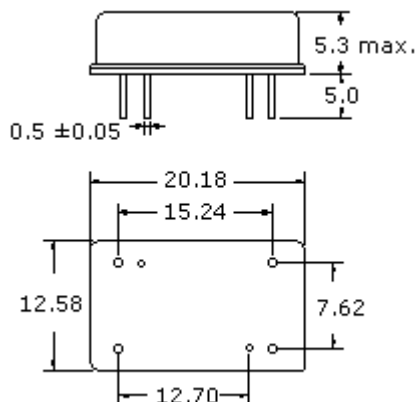
**820-IF146.9M-A**

## OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

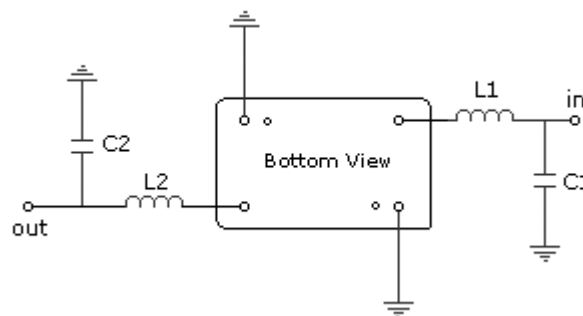
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	146.84	146.90	146.96	MHz
Insertion Loss	-	22.5	25.0	dB
1dB Bandwidth	3.30	3.48	-	MHz
3dB Bandwidth	3.80	3.90	-	MHz
40dB Bandwidth	-	5.75	6.00	MHz
Passband Ripple (Fo $\pm$ 1.4MHz)	-	0.40	1.0	dB
Group Delay Variation	-	60	100	nsec
Absolute Delay	-	1.33	-	$\mu$ sec
Ultimate Rejection	40	45	-	dB
Substrate Material	-	Qz	-	-

\* Custom SAW IF Filters available. Contact Oscilent for assistance.

## PACKAGE OUTLINE (mm)



## TEST FIXTURE



L1 = 68nH      C1 = 47pF  
 L2 = 56nH      C2 = 51pF  
 Source/Load Impedance = 50 ohms

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Part No.: 820-IF146.9M-A

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