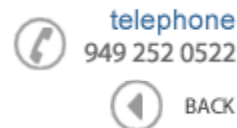
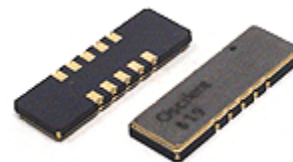
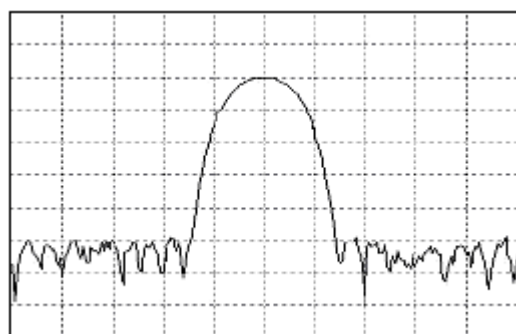
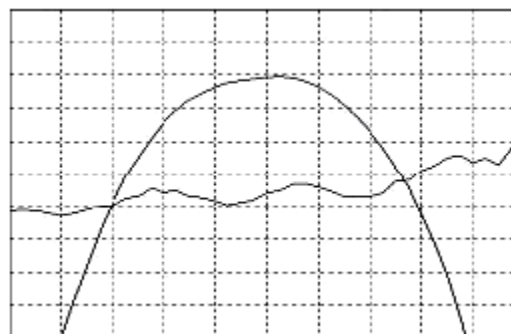


**Data Sheet**

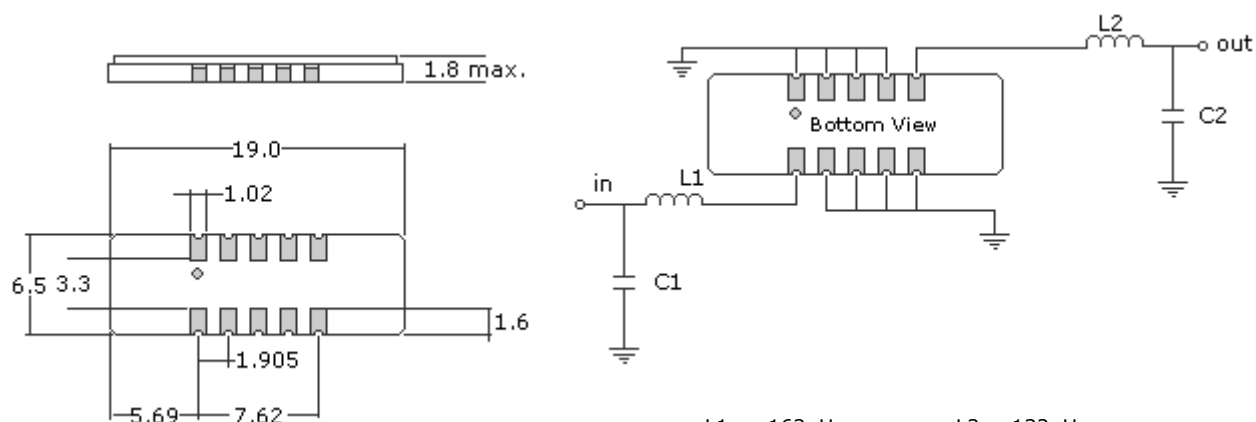
Product Category: IF SAW Filter

Part Number
819-IF100.0M-CPackage
19 x 6.5 SMDApplication
Base Station, Repeater, HDR, IMT-2000Last Modified
May 02 2003**TYPE :**100.0 MHz Bandpass Filter
0.47 MHz Bandwidth**PART NUMBER :****819-IF100.0M-C**Horizontal : 0.5 MHz/Div
Vertical : 10 dB/DivHorizontal : 0.1 MHz/Div
Vertical : 1 dB/Div
Vertical : 100 ns/Div**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	99.97	100.0	100.03	MHz
Insertion Loss	-	13.7	15.0	dB
1dB Bandwidth	0.30	0.34	-	MHz
3dB Bandwidth	0.47	0.55	-	MHz
40dB Bandwidth	-	1.38	1.40	MHz
Passband Ripple	-	0.8	1.5	dB
Group Delay Variation	-	250	500	nsec
Absolute Delay	-	2.4	-	µsec
Ultimate Rejection	45	55	-	dB
Substrate Material	-	Quartz	-	-
Ambient Temperature	-	25	-	°C
Phase Linearity	-	3.0	6.0	deg

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

PACKAGE OUTLINE (mm)**TEST FIXTURE**



$L1 = 162\text{nH}$ $L2 = 132\text{nH}$
 $C1 = 18\text{pF}$ $C2 = 39\text{pF}$
 Source/Load Impedance = 50 ohms

Oscilent Corporation - CALL **949.252.0522**

17962 Sky Park Circle, Building D, Irvine, CA 92614, USA
 Fax: 949.252.0599, E-Mail: Sales@Oscilent.com

Part No.: 819-IF100.0M-C

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