



Data Sheet



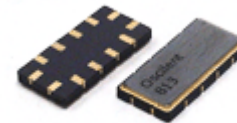
Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL70.0M-09	13.3 x 6.5mm	Low-Loss IF SAW Filter	Apr 18, 2007

TYPE :

70.0 MHz SAW Filter

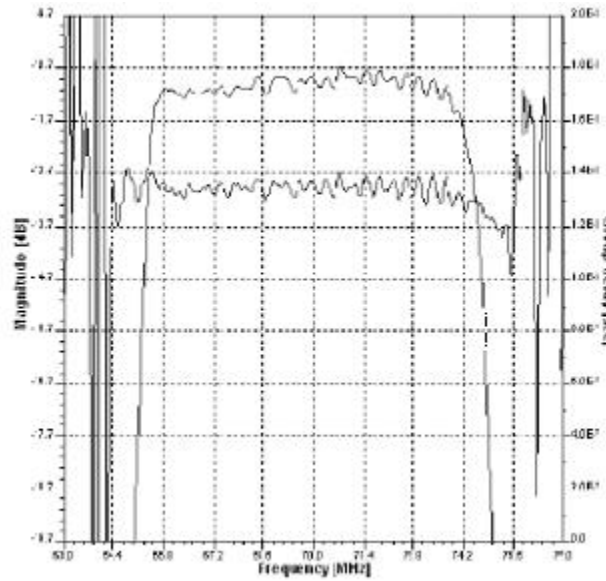
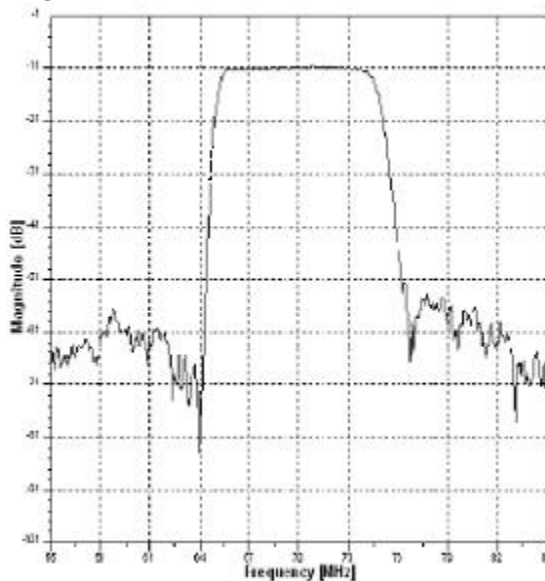
Low-Loss 70MHz IF SAW Filter



PART NUMBER :

813-SL70.0M-09

FREQUENCY RESPONSE

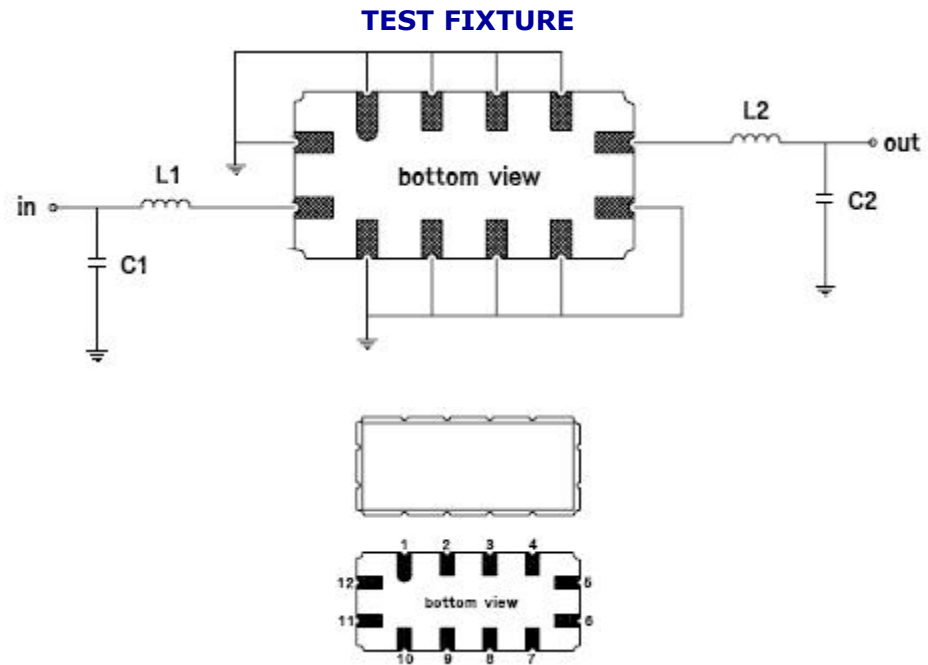
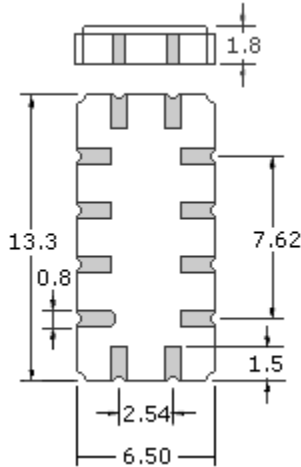


OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	69.8	70.0	70.2	MHz
Insertion Loss at Fo	-	10.7	11.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth at -1.0 dB	8.4	8.66	-	MHz
Bandwidth at -3.0 dB	9.0	9.31	-	MHz
Bandwidth at -35.0 dB	-	11.70	13.0	MHz
Relative Attenuation:				
from 10 to 64 MHz	40	46	-	dB
from 77 to 140 MHz	40	42	-	dB
Amplitude Ripple within Fo +/- 3.7MHz	-	0.60	1.0	dBp-p
Group Delay Variation fo +/-3.7MHz	-	125	160	nsec
Absolute Delay at Fo	-	0.94	-	µsec
Temperature Coefficient	-	-94	-	ppm/°C

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

PACKAGE OUTLINE
(mm)



L1 = 220nH C1 = 36pF
 L2 = 220nH C2 = 68pF
 Source/Load Impedance = 50 ohms

PIN Descriptions: IN-11, OUT-5, GROUND-1,2,3,4,6,7,8,9,10,12

Oscilent Corporation - CALL **949.252.0522**

Part No.: 813-SL70.0M-09

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