



Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL70.0M-03	13.3 x 6.5 SMD	Base Station & Repeater	Jan. 01, 2007

TYPE :

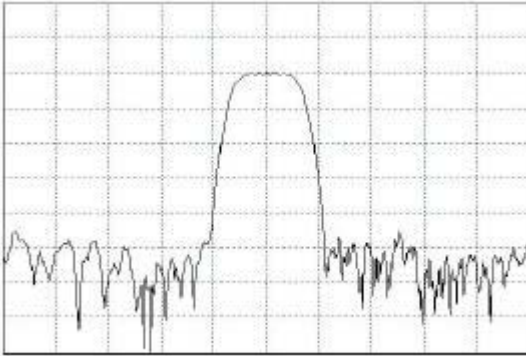
Low Loss 70.0 MHz Bandpass Filter
3.0 MHz Bandwidth



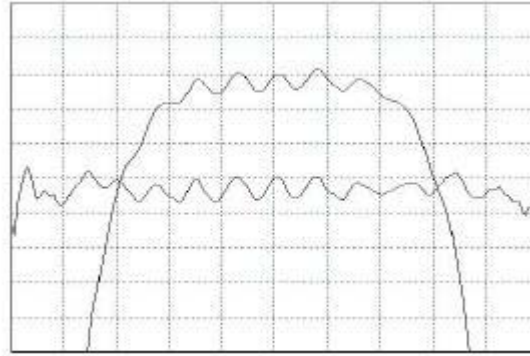
PART NUMBER :

813-SL70.0M-03

FREQUENCY CHARACTERISTICS



Horizontal : 3.0 MHz/Div
Vertical : 10 dB/Div



Horizontal : 0.6 MHz/Div
Vertical : 1 dB/Div
Vertical : 200 ns/Div

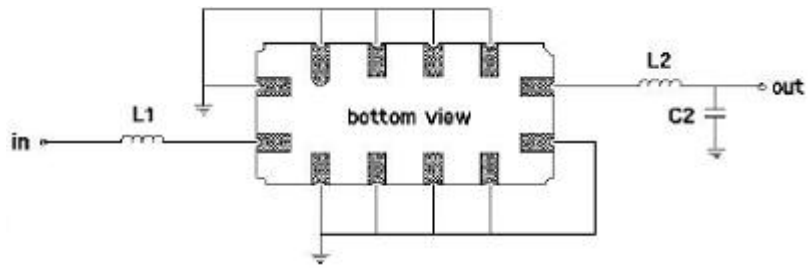
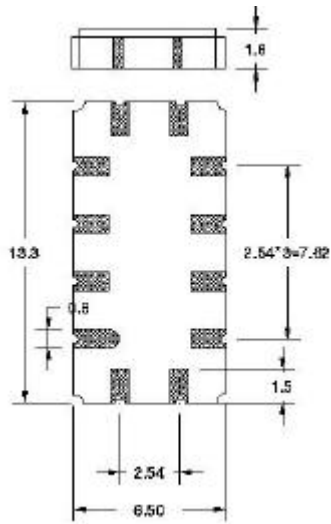
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	69.85	70.0	70.15	MHz
Insertion Loss	-	7.7	8.2	dB
1dB Bandwidth	2.4	2.85	-	MHz
3dB Bandwidth	3.0	3.55	-	MHz
40dB Bandwidth	-	6.18	6.8	MHz
Passband Ripple	-	0.65	1.0	dB
Group Delay Variation	-	145	190	nsec
Absolute Delay	-	1.07	-	usec
Ultimate Rejection	40	45	-	dB
Substrate Material	-	YZ-LN	-	-
Ambient Temperature	-	25	-	°C
Temperature Coefficient	-	-94	-	ppm/C

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

PACKAGE OUTLINE (mm)

TEST FIXTURE



L1 = 220nH - -
 L2 = 56nH C2= 22pF
 Source/Load Impedance = 50 ohms

Oscilent Corporation - CALL 949.252.0522

Part No.: 813-SL70.0M-03

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