

SAW Filter 343.0MHz
Part No: MP05890

Model: TB0892A
Rev No: 1

A. MAXIMUM RATING:

1. Operating temperature range: -40°C to 85°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level: 10dBm
4. Maximum DC Voltage: 10V

B. CHARACTERISTICS:

Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	343	-
Insertion Loss IL	dB	-	9.5	12
-1.5dB bandwidth	MHz	-	1.1	-
-40dB bandwidth	MHz	-	3.0	4.0
Passband Ripple Fc ± 100kHz	MHz	-	0.4	1.0
Group Delay Variation Fc ± 100kHz	nsec	-	130	170
Absolute Delay	usec	-	0.7	1.2
Temp. Coefficient	ppm/°C ²	-	-0.036	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

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C. FREQUENCY CHARACTERISTICS:

1. Wide band Response: (span 50MHz)

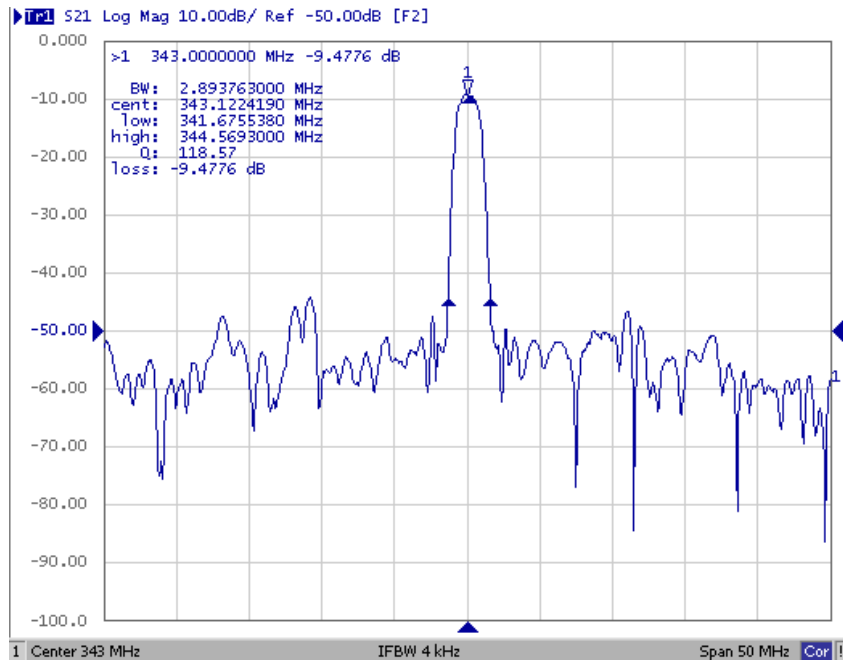


Fig. 1. Horizontal: 5MHz / Div, Vertical: 10Db / Div

2. Pass band Response and Group Delay Response:

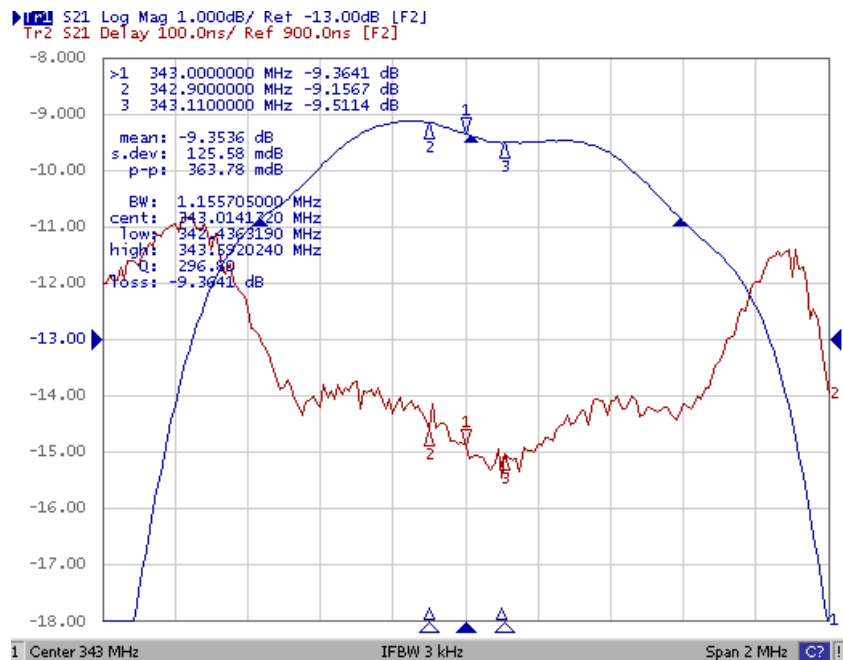
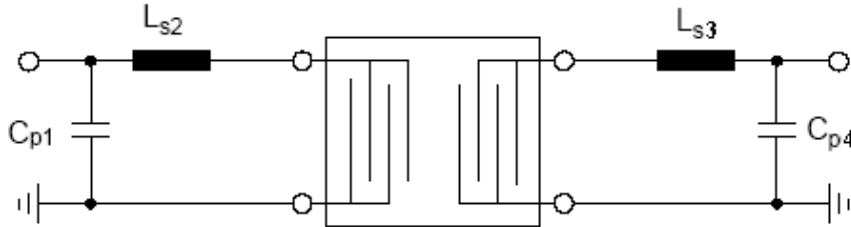


Fig. 2. Horizontal: 0.2MHz / Div, Vertical: 1dB / Div, Vertical: 100ns / Div

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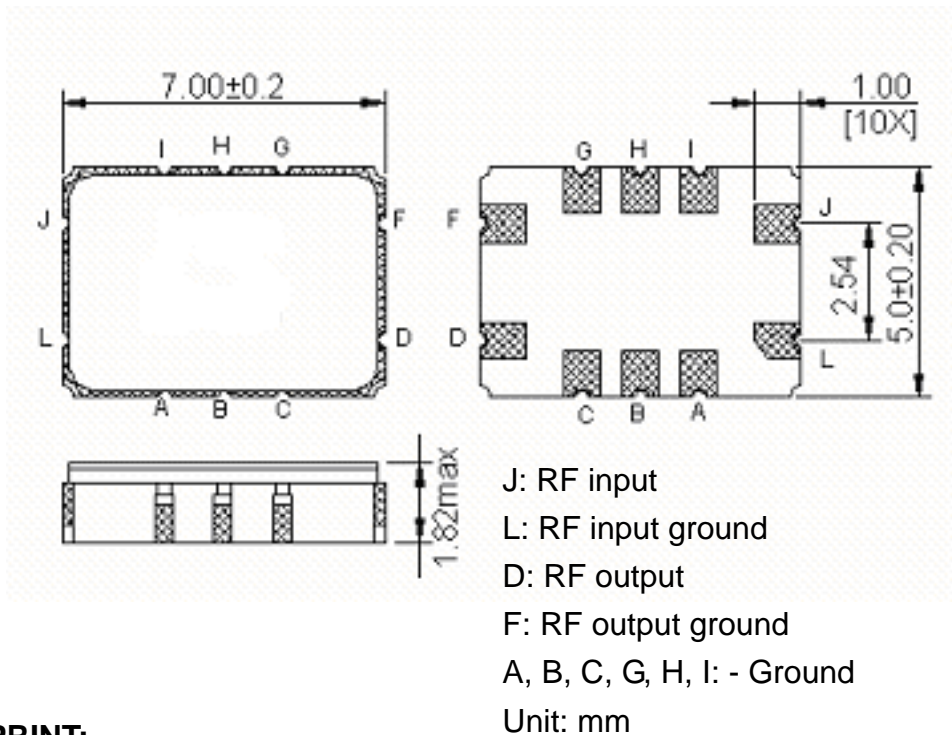
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D. MATCHING CIRCUIT:

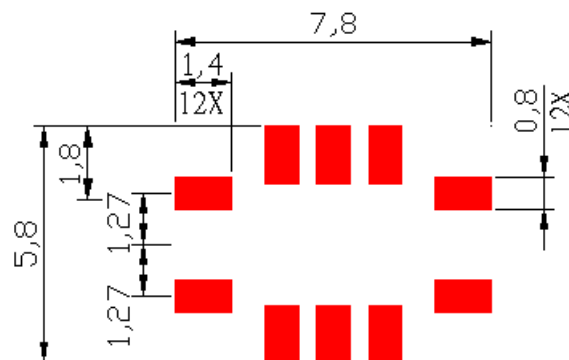


LS2 = 39nH LS3 = 36nH CP1 = 24pF CP4 = 24pF

E. OUTLINE DRAWING:



F. PCB FOOTPRINT:



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H. RECOMMENDED REFLOW PROFILE:

