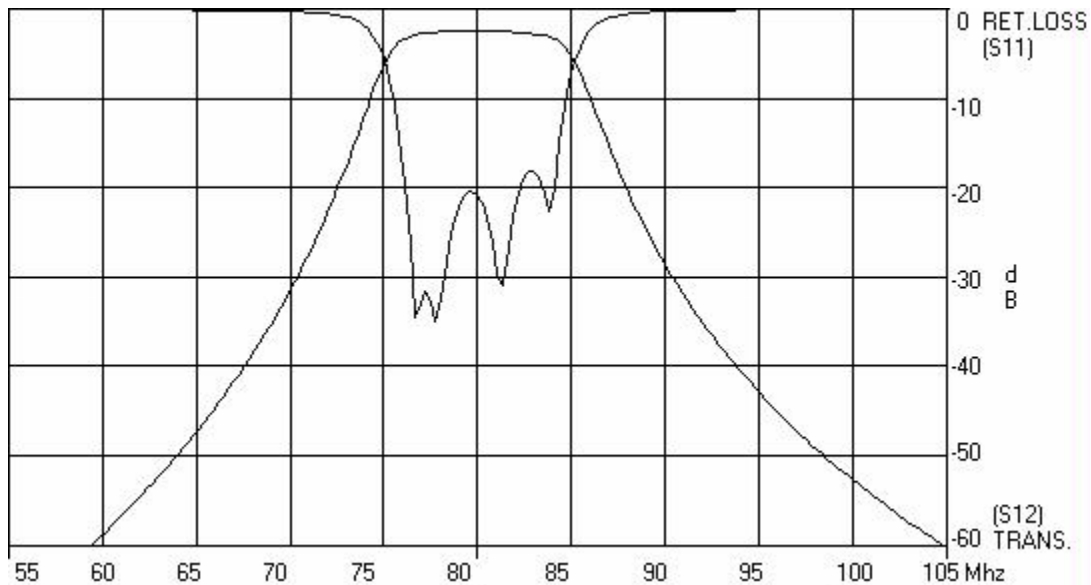


**Lark Part number MC80-80-4AA (reference number: 109217)**

[Home](#), [Delay Plot](#), [Housing drawing](#), [Tabular Data](#), [Ordering](#).

**Customer Requirement**

Fc: 80 Mhz

6 dB Loss @ 80 Mhz

10 Mhz min over the 3 dBc  
bandwidth

4 Sections

**Environmental**

Operating Temp.

Storage Temp.

Shock

Vibration

**Typical Design Response**

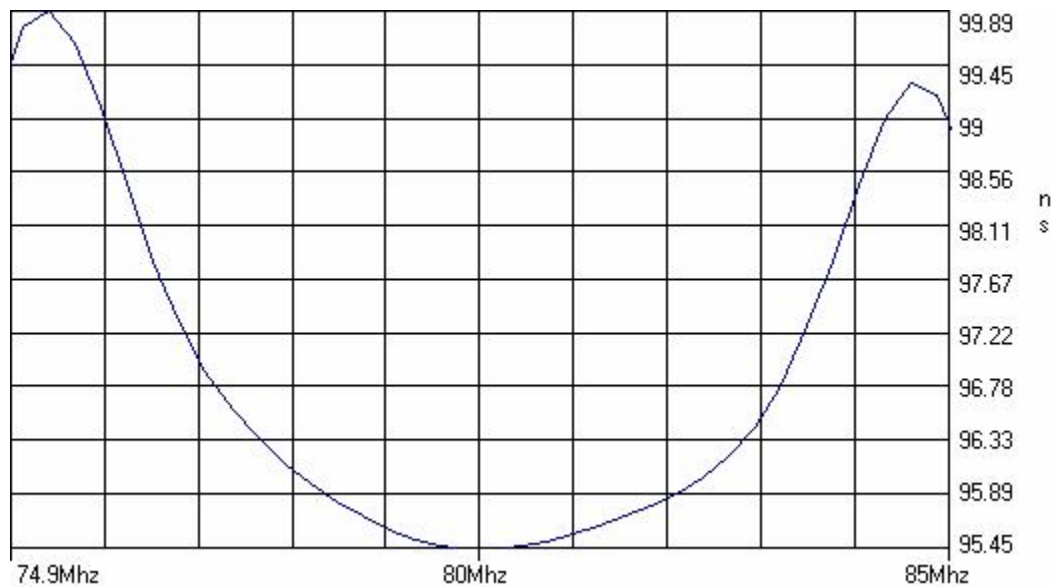
80 Mhz

2.48 dB @ 80 Mhz

80 Mhz over the 3 dB BW

**Lark Part number MC80-80-4AA (reference number: 109217)**

[Home](#), [Performance Plot](#), [Housing drawing](#), [Tabular Data](#), [Ordering](#).

**Customer Requirement**

@ 80MHz (Center Freq)

Plot is over the 10MHz  
bandwidth

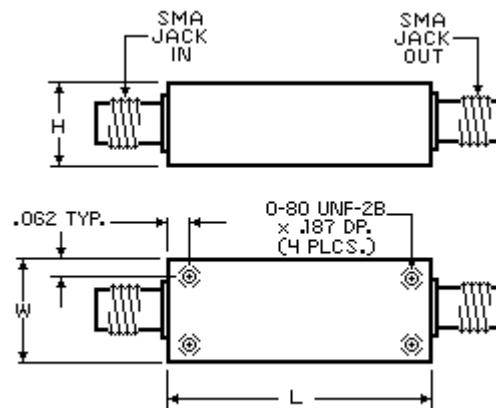
**Typical Design Response**

96nS

**Lark Part number MC80-80-4AA (reference number: 109217)**

[Home](#), [Performance Plot](#), [Delay Plot](#), [Tabular Data](#), [Ordering](#).

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**Physical Dimensions**

Length	1.75" ( 44.45 mm)
Width	.55" ( 13.97 mm)
Height	.40" ( 10.16 mm)(Max.)

**Lark Part number MC80-80-4AA (reference number: 109217)**

[Home](#), [Performance Plot](#), [Housing drawing](#), [Ordering](#).

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Freq. (Mhz)	S21 (dBc)	S11 (dB)
54.624668	-65.50475625	-.05
54.624668	-65.50475625	-.05
54.624668	-65.50475625	-.05
54.624668	-65.50475625	-.05
54.624668	-65.50475625	-.05
54.7384457	-65.2901755	-.05
54.8522234	-65.07559475	-.05
54.9660011	-64.85602375	-.05
55.0797788	-64.63645275	-.05
55.1935565	-64.4118915	-.05
55.47045166	-63.931833	-.05
55.74734682	-63.4517745	-.05
56.02424198	-62.961716	-.06
56.30113714	-62.4716575	-.06
56.5780323	-61.971599	-.06
56.85492746	-61.4715405	-.06
57.13182262	-60.96649175	-.06
57.40871778	-60.45643325	-.06
57.68561294	-59.94637475	-.06
57.9625081	-59.421326	-.06
58.23940326	-58.9012675	-.06
58.51629842	-58.36621875	-.07
58.79319358	-57.83616025	-.07
59.07008874	-57.29612125	-.07
59.3469839	-56.74606275	-.07
59.62387906	-56.201014	-.07
59.90077422	-55.63596525	-.07
60.17766938	-55.07590675	-.07
60.45456454	-54.50586775	-.08
60.7314597	-53.930819	-.08
61.00835486	-53.34577025	-.08
61.28525002	-52.7507215	-.08
61.56214518	-52.1506825	-.08

61.83904034	-51.54563375	-.09
62.1159355	-50.930585	-.09
62.39283066	-50.30553625	-.09
62.66972582	-49.67549725	-.09
62.94662098	-49.03545825	-.1
63.22351614	-48.38539975	-.1
63.5004113	-47.72536075	-.1
63.77730646	-47.05532175	-.11
64.05420162	-46.370273	-.11
64.33109678	-45.680234	-.11
64.60799194	-44.980195	-.12
64.8848871	-44.26514625	-.12
65.16178226	-43.5400975	-.12
65.43867742	-42.8000585	-.13
65.71557258	-42.0500195	-.13
65.99246774	-41.28497075	-.14
66.2693629	-40.499922	-.15
66.54625806	-39.699883	-.15
66.82315322	-38.889844	-.16
67.10004838	-38.059805	-.17
67.37694354	-37.21475625	-.17
67.6538387	-36.3497075	-.18
67.93073386	-35.4596685	-.19
68.20762902	-34.55461975	-.2
68.48452418	-33.629571	-.21
68.76141934	-32.679532	-.22
69.0383145	-31.70448325	-.24
69.31520966	-30.6994345	-.25
69.59210482	-29.67438575	-.27
69.86899998	-28.619337	-.29
70.14589514	-27.5292785	-.31
70.4227903	-26.41422975	-.33
70.69968546	-25.25417125	-.36
70.97658062	-24.06411275	-.39
71.25347578	-22.83405425	-.43
71.53037094	-21.56399575	-.48
71.8072661	-20.2489275	-.53
72.08416126	-18.8888495	-.6
72.36105642	-17.478791	-.69

72.63795158	-16.018713	-.79
72.91484674	-14.508635	-.94
73.1917419	-12.95356675	-1.13
73.46863706	-11.3584985	-1.39
73.74553222	-9.733449750000001	-1.75
74.02242738	-8.118420500000001	-2.28
74.29932254	-6.533430250000001	-3.03
74.5762177	-5.043508250000001	-4.12
74.85311286	-3.723644750000001	-5.67
75.13000802	-2.62385925	-7.81
75.40690318	-1.779103	-10.67
75.68379834	-1.18432725	-14.42
75.9606935	-.7895125000000002	-19.35
76.23758866	-.5446587500000001	-26.17
76.51448382	-.3897465000000001	-34.35
76.79137898	-.2798050000000001	-32.85
77.06827414	-.2048537500000001	-31.42
77.3451693	-.149883	-32.6
77.62206446	-.10491225	-34.69
77.89895962	-6.994150000000002E-02	-32.39
78.17585478	-3.996100000000001E-02	-28.1
78.45274994	-2.497075000000001E-02	-24.92
78.7296451	-.01499025	-22.77
79.00654026	-4.990250000000004E-03	-21.38
79.28343542	0	-20.62
79.56033058	0	-20.39
79.83722574	0	-20.69
80.1301209	0	-21.58
80.40701606	0	-23.2
80.68391122	-4.990250000000004E-03	-25.81
80.96080638	-.01499025	-29.5
81.23770154	-.03499025	-30.69
81.5145967	-5.998050000000001E-02	-26.67
81.79149186	-9.497075000000001E-02	-23.04
82.06838702	-.14497075	-20.58
82.34528218	-.199961	-19
82.62217734	-.2599415	-18.16
82.8990725	-.32491225	-18.03
83.17596766	-.399883	-18.74

83.45286282	-.489844000000001	-20.47
83.72975798	-.629785500000001	-22.46
84.00665314	-.839707500000001	-20.05
84.2835483	-1.1796295	-15.05
84.56044346	-1.7095515	-10.98
84.83733862	-2.46446375	-7.96
85.11423378	-3.4593955	-5.76
85.39112894	-4.6693565	-4.19
85.6680241	-6.03432725	-3.09
85.94491926	-7.4893175	-2.33
86.22181442	-8.99430775	-1.79
86.49870958	-10.49430775	-1.41
86.77560474	-11.97430775	-1.14
87.0524999	-13.419298	-.94
87.32939506	-14.82428825	-.79
87.60629022	-16.17428825	-.67
87.88318538	-17.4792785	-.58
88.16008054	-18.74426875	-.51
88.4369757	-19.959259	-.45
88.71387086	-21.1292395	-.41
88.99076602	-22.2592395	-.37
89.26766118	-23.34922	-.33
89.54455634	-24.4092005	-.3
89.8214515	-25.4292005	-.28
90.09834666	-26.419181	-.26
90.37524182	-27.38417125	-.24
90.65213698	-28.31415175	-.22
90.92903214	-29.219142	-.21
91.2059273	-30.0991225	-.19
91.48282246	-30.95411275	-.18
91.75971762	-31.789103	-.17
92.03661278	-32.5990835	-.16
92.31350794	-33.3890835	-.15
92.5904031	-34.16407375	-.15
92.86729826	-34.91405425	-.14
93.14419342	-35.65403475	-.13
93.42108858	-36.37403475	-.12
93.69798374	-37.07401525	-.12
93.9748789	-37.76401525	-.11

94.25177406	-38.43399575	-.11
94.52866922	-39.098986	-.1
94.80556438	-39.74397625	-.1
95.08245954	-40.37395675	-.09
95.3593547	-40.99395675	-.09
95.63624986	-41.60393725	-.09
95.91314502	-42.1989275	-.08
96.19004018	-42.78391775	-.08
96.46693534	-43.358908	-.08
96.7438305	-43.92389825	-.08
97.02072566	-44.4788885	-.07
97.29762082	-45.02387875	-.07
97.57451598	-45.56387875	-.07
97.85141114	-46.088869	-.07
98.1283063	-46.6088495	-.06
98.40520146	-47.1188495	-.06
98.68209662	-47.62383975	-.06
98.95899178	-48.11883	-.06
99.23588694	-48.60382025	-.06
99.5127821	-49.0788105	-.05
99.78967726	-49.55380075	-.05
100.06657242	-50.018791	-.05
100.34346758	-50.478791	-.05
100.62036274	-50.93378125	-.05
100.8972579	-51.3787715	-.05
101.17415306	-51.81376175	-.05
101.45104822	-52.248752	-.04
101.72794338	-52.678752	-.04
102.00483854	-53.098752	-.04
102.2817337	-53.51374225	-.04
102.55862886	-53.9287325	-.04
102.83552402	-54.33372275	-.04
103.11241918	-54.73372275	-.04
103.38931434	-55.128713	-.04
103.6662095	-55.52370325	-.04
103.94310466	-55.9086935	-.04
104.21999982	-56.2886935	-.03
104.49689498	-56.66368375	-.03
104.77379014	-57.038674	-.03



105.0506853	-57.408674	-.03
105.32758046	-57.768674	-.03
105.60447562	-58.13366425	-.03
105.88137078	-58.4886545	-.03
106.15826594	-58.8386545	-.03
106.4351611	-59.18364475	-.03
106.71205626	-59.528635	-.03
106.98895142	-59.868635	-.03
107.26584658	-60.208635	-.03
107.54274174	-60.54362525	-.03
107.8196369	-60.87362525	-.03