

LEXOR

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Lexor Gaussian Filters 0.17 to 15MHz

Type VG2A DIL 14pin 0.6" Basic Specification

A range of D.I.L. packaged passive L.C. filters with a slow roll-off Gaussian response and maximally flat delay.

Applications include:-

Pulse shaping, e.g. a pulse with a width equal to the rise-time of the filter will be transformed to a Gaussian, bell-shaped curve.

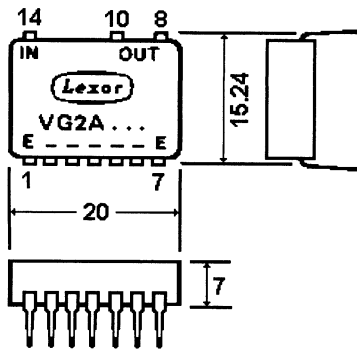
A signal with a fast leading edge can be shaped to conform with CCIR specifications, (250nS + 5OnS

Spurious spiky signals may be filtered out of a signal path while preserving phase relationships.

A 16 pin Version, Type VG6A. . . is also available.

Nom. Cut-Off Freq.-3dB MHz	Nom. Freq. At which loss is 17 dB w.r.t 100KHz	Nominal Delay, nS	Nominal Rise Time, nS	50Ω	75Ω	510Ω
0.17	0.45	1988.00	2023.50	901	931	961
0.30	0.79	1126.50	1146.60	902	932	962
0.33	0.87	1024.10	1042.40	903	933	963
0.50	1.32	675.80	688.00	904	934	964
1.00	2.65	337.90	344.00	905	935	965
1.14	3.02	296.40	301.80	906	936	966
1.25	3.31	270.30	275.20	907	937	967
1.50	3.97	225.30	229.30	908	938	968
1.72	4.55	196.40	200.00	909	939	969
2.00	5.30	168.90	172.00	910	940	970
2.39	6.33	141.40	143.90	911	941	971
2.50	6.62	135.10	137.60	912	942	972
3.00	7.95	112.60	114.60	913	943	973
3.44	9.11	98.20	100.00	914	944	974
4.00	10.60	84.40	86.00	915	945	975
4.89	12.95	69.10	70.30	916	946	976
5.00	13.25	67.50	68.80	917	947	977
5.53	14.65	61.50	62.20	918	948	978
10.00	26.50	33.70	34.40	919	949	979
12.00	31.80	28.10	28.60	920	950	980
15.00	39.75	22.50	22.90	921	951	981

Mechanical Detail



Typical Response

