



Electrical Characteristics	Min	Max	Unit
Distortion		± 10	%
Temperature Coefficient of Delay		100	PPM/°C
Insulation Resistance @ 100 Vdc	1K		MΩ
Dielectric Strength		100	Vdc
Operating Free Air Temperature	0	70	°C

Input Pulse Test Conditions @ 25°C		
VIN	Pulse Input Voltage	10 Volts
PW	Pulse Width % of Total Delay	300%
TRi	Input Rise Time(10-90%)	2.0 nS
PRR	Pulse Repetition Rate @ Td ≤ 150 nS	1.0 MHz
	Pulse Repetition Rate @ Td > 150 nS	300 KHz

IMPEDANCE OHMS ± 10%	TOTAL DELAY ±5% or 2 nS	TAP DELAYS ±10% or .5 nS	RISE TIME nS MAX	ATTENUATION % MAX	POLARA P/N LB - PINOUT	POLARA P/N LC - PINOUT
50	10	1.0	2.5	1.6	LB-05-0010	LC-05-0010
50	15	1.5	3.0	1.6	LB-05-0015	LC-05-0015
50	20	2.0	4.0	1.6	LB-05-0020	LC-05-0020
50	25	2.5	5.0	1.6	LB-05-0025	LC-05-0025
50	30	3.0	6.0	1.6	LB-05-0030	LC-05-0030
50	40	4.0	8.0	1.6	LB-05-0040	LC-05-0040
50	50	5.0 ± 1	10.0	1.6	LB-05-0050	LC-05-0050
50	100	10.0	20.0	3.8	LB-05-0100	LC-05-0100
100	10	1.0	2.5	1.6	LB-10-0010	LC-10-0010
100	20	2.0	4.0	1.6	LB-10-0020	LC-10-0020
100	30	3.0	6.0	2.0	LB-10-0030	LC-10-0030
100	40	4.0	8.0	2.0	LB-10-0040	LC-10-0040
100	50	5.0 ± 1	10.0	2.0	LB-10-0050	LC-10-0050
100	100	10.0	20.0	4.0	LB-10-0100	LC-10-0100
100	250	25.0	50.0	12.0	LB-10-0250	LC-10-0250
200	10	1.0	2.5	1.6	LB-20-0010	LC-20-0010
200	20	2.0	4.0	2.0	LB-20-0020	LC-20-0020
200	30	3.0	6.0	2.0	LB-20-0030	LC-20-0030
200	40	4.0	8.0	2.0	LB-20-0040	LC-20-0040
200	50	5.0 ± 1	10.0	2.0	LB-20-0050	LC-20-0050
200	100	10.0	20.0	10.0	LB-20-0100	LC-20-0100
200	200	20.0	40.0	10.0	LB-20-0200	LC-20-0200

ADD "S" SUFFIX TO P/N, TO ORDER SURFACE MOUNT PACKAGE