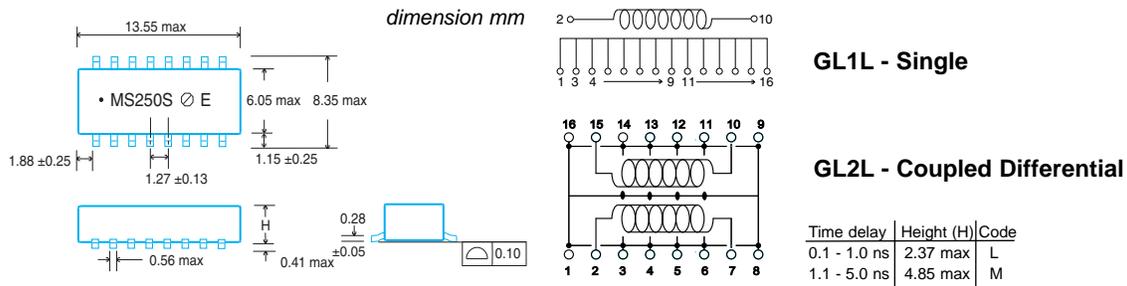


GL1L / GL2L 16 Pin Series

1.0 Description

These delay lines offer the same excellent frequency performance as the SIP delay lines, but come in a gull winged surface mount package. The differential SMT is useful for PECL applications, and contains two identical transmission lines matched for time delay. Featuring a stripline shielded construction, these parts offer very low EMI/RFI, and are ideal for high frequency/tight tolerance timing and deskew applications.

2.0 Mechanical - Please refer to page 43 for land pattern



3.0 Electrical

TYPE	GL1L (Single)	GL2L (Differential)
Time Delay	0.1~5.0 ns (0.1 ns step)	0.1~3.0 ns (0.1 ns step) 3.5~4.5 ns (0.5 ns step)
Time delay tolerance	±0.05 ns	±50 from 0.1 to 2.9 ns -50/+100 ps for 3.0 ns ±100 ps for 3.5 to 4.5 ns
Rise/fall time		200 ps/ns
Impedance		50 ohm ±5 ohm
Temp coefficient of Td		0 to +150 ppm/°C
Rated current		100 mA
Rated voltage		100 Vdc (1 min)
DC resistance		1.0 ohm/ns max
Isolation resistance		>100 Mohm @ 50Vdc
Operating temperature		-40°C to +85°C
Storage temperature		-55°C to +125°C

4.0 Part Number

- GL** _____ Product designator
- 1L** _____ Circuit/element qualifier (1 = 1 element), (2 = 2 elements)
- 5** _____ Impedance (5 = 50 ohm)
- M** _____ Height code
- S** _____ Lead frame
- ***** _____ Time delay (250 = 2.50 ns)
- S** _____ Serial code (S = Single ended), (D = Differential)
- T1** _____ Packaging (T = tape), (1 = 100)





Manufacturer(s) of the products described on this page are indicated by their respective logos.