



	<b>LCA125</b>	<b>Units</b>
Load Voltage	300	V
Load Current	170	mA
Max R <sub>ON</sub>	20	Ω

### Description

LCA125 is a 300V, 170mA, 20Ω 1-Form-A relay. It features enhanced peak load current capability with a 300V peak load voltage. Current limiting version is available. ("L" suffix)

### Features

- Small 6 Pin DIP Package
- Low Drive Power Requirements (TTL/CMOS Compatible)
- No Moving Parts
- High Reliability
- Arc-Free With No Snubbing Circuits
- 3750V<sub>RMS</sub> Input/Output Isolation
- FCC Compatible
- VDE Compatible
- No EMI/RFI Generation
- Machine Insertable, Wave Solderable
- Surface Mount and Tape & Reel Versions Available

### Approvals

- UL Recognized: File Number E76270
- CSA Certified: File Number LR 43639-10
- BSI Certified to:
  - BS EN 60950:1992 (BS7002:1992)  
Certificate #: 7344
  - BS EN 41003:1993  
Certificate #: 7344

### Ordering Information

<b>Part #</b>	<b>Description</b>
LCA125	6 Pin DIP (50/Tube)
LCA125S	6 Pin Surface Mount (50/Tube)
LCA125STR	6 Pin Surface Mount (1000/Reel)

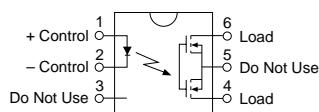
### Applications

- Telecommunications
  - Telecom Switching
  - Tip/Ring Circuits
  - Modem Switching (Laptop, Notebook, Pocket Size)
  - Hookswitch
  - Dial Pulsing
  - Ground Start
  - Ringer Injection
- Instrumentation
  - Multiplexers
  - Data Acquisition
  - Electronic Switching
  - I/O Subsystems
  - Meters (Watt-Hour, Water, Gas)
- Medical Equipment-Patient/Equipment Isolation
- Security
- Aerospace
- Industrial Controls

### Pin Configuration

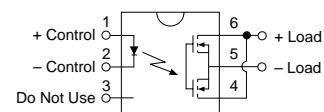
**LCA125/LCA125L Pinout**

AC/DC Configuration

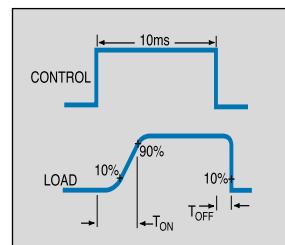


**LCA125/125L Pinout**

DC Only Configuration



**Switching Characteristics of Normally Open (Form A) Devices**









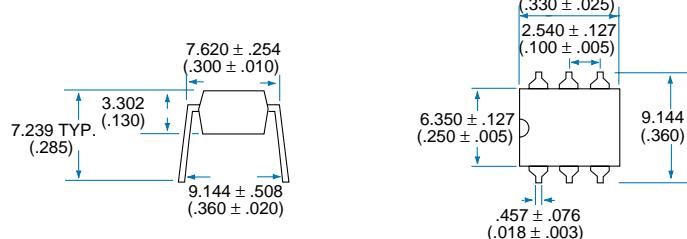


CLARE

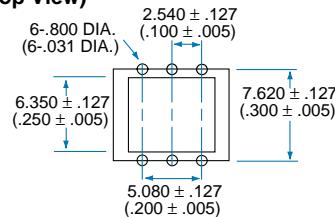
LCA125

### Mechanical Dimensions

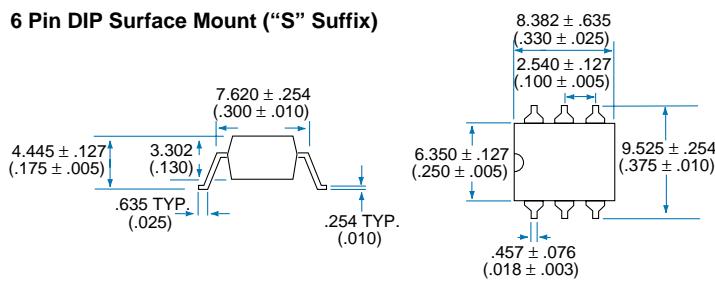
**6 Pin DIP Through Hole (Standard)**



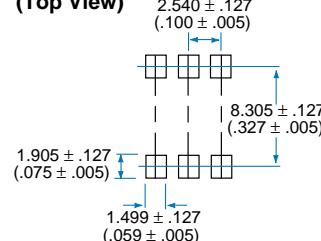
**PC Board Pattern  
(Top View)**



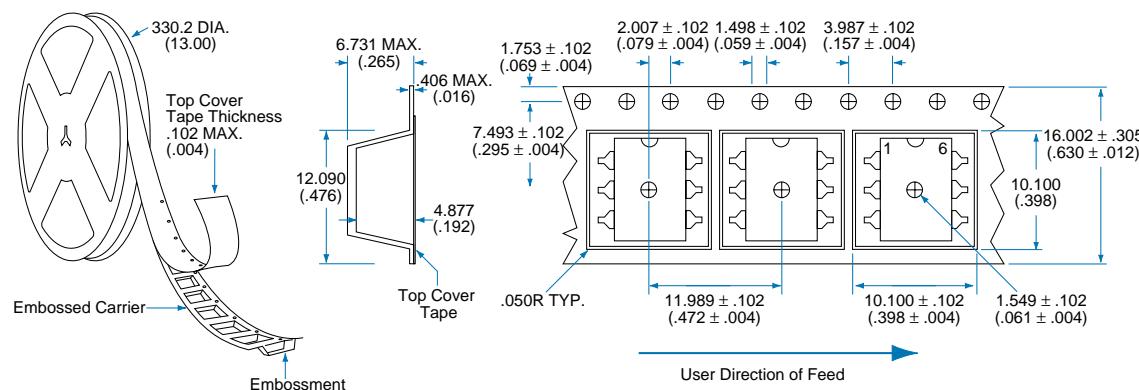
**6 Pin DIP Surface Mount ("S" Suffix)**



**PC Board Pattern  
(Top View)**



**Tape and Reel Packaging for 6 Pin Surface Mount Package**



Dimensions  
mm  
(inches)

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