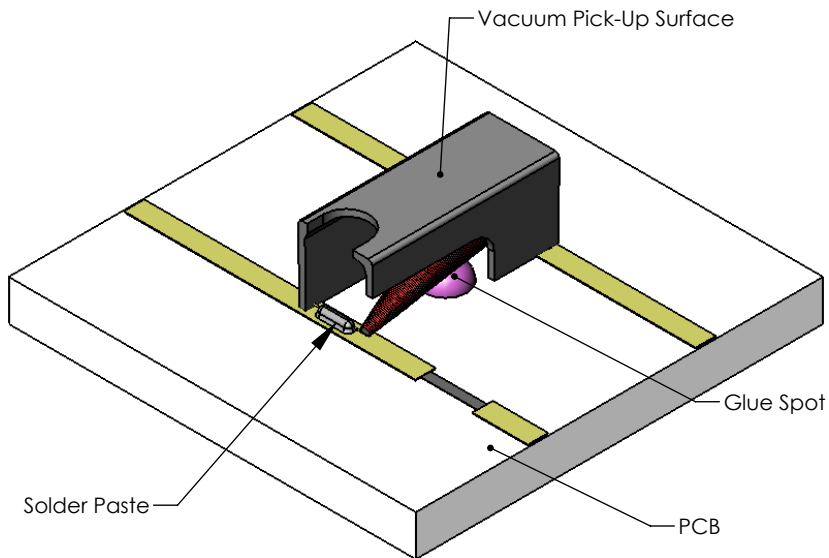


# Important Mounting Instructions

## Mounting Instructions for SMT Conicals

1. The top of the plastic carrier that houses the inductor is designed as a vacuum pick up surface. Using a vacuum pick and place device is ideal for handling the inductor.
2. To mount the inductor on a board, start by placing the solder paste in the pad location areas specified in the product drawing CC110T47K240G5-C.
3. Next, place a small spot of epoxy in between the two contact pads. The epoxy must be capable of surviving reflow solder temperatures and electrically insulating. The epoxy adds strength to the inductor being mounted. **(Note:** Remove any solder mask below conical as it will affect the epoxy adhesion to the substrate.)
4. Place the inductor on the board so the leads fall on the solder pads. The small end of the coil identified by the notch in the carrier goes on the signal end of the trace.
5. Place the assembly in an oven to cure the insulating epoxy spot that holds the inductor on the board. See the data sheet for the epoxy to obtain proper cure temperature and time.
6. Once the epoxy is cured, place the board into the reflow solder oven to reflow the solder and make the connection with the leads.

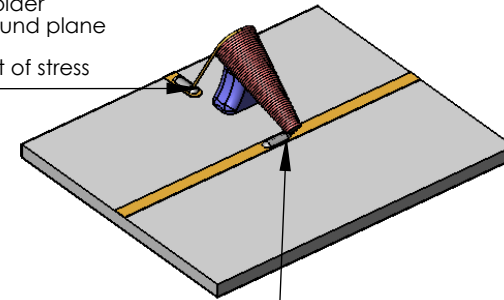


# Important Mounting Instructions

## Mounting Instructions For Non-SMT Style Conical Inductors

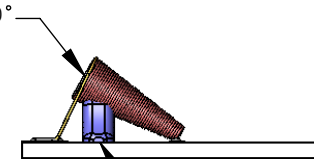
1. Place drop of Epotek 360T epoxy (recommended) on substrate where large end will sit. **(Note:** Remove any solder mask below conical as it will affect the epoxy adhesion to the substrate.)
  2. Place Conical down at proper angle with small end lead directly on the signal trace
  3. Cure epoxy in oven.
  4. Weld or solder leads as shown to pads. Keep small end lead as short as possible for optimum performance.
- \* No -tuning is required for device when mounted properly.

Large end lead Solder or bonded to ground plane or pad.  
Add small amount of stress relief to lead.



Small end of conical directly down on trace  
Keep lead short as possible. (.005" to .015")  
Use small amount of solder or Thermosonic or Compression welding.

Mount Conical at 45°-60° angle off substrate for optimum performance.



Epotek 360T epoxy is used to hold conical at proper angle.  
Epoxy secures conical to substrate for shock and vibration



26 CUMMINGS ROAD, TYNGSBORO, MA 01879-1406

TEL: (978) 649-7501 FAX: (978) 649-9643

Rev B:11-2014



26 CUMMINGS ROAD, TYNGSBORO, MA 01879-1406

TEL: (978) 649-7501 FAX: (978) 649-9643

Rev B:11-2014