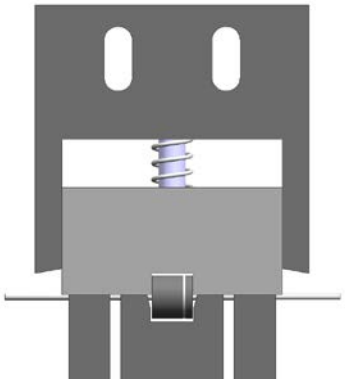
The appropriate bending of the lead wires from axial lead semiconductors is essential for its reliable function and to avoid device failures. Bending machines for passive components like resistors are often not applicable and lead to high failure rates, especially if the machine is worn-out after longer time of use.

There are two ways to overcome this problem:

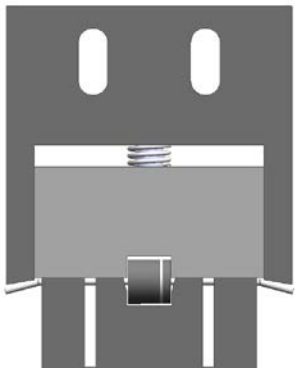
1. Ask Diotec to provide full customized lead-bendings according to your need. We are using not only correct bending machines, but guarantee full functionality of the provided goods!

2. Ensure that your bending machine is fixing the leads close to the plastic case prior to bending or cutting process (= stress or strain relief). A bending without strain relief is not admissible! See below pictures for correct and forbidden bending process.

Correct √

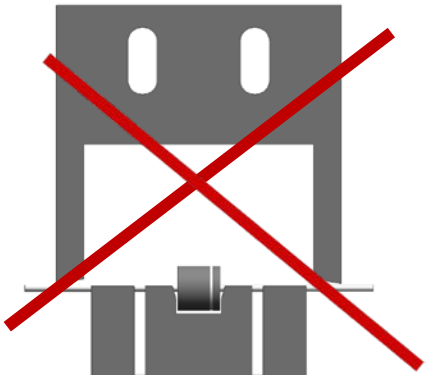


Step 1: Fixing of the leads √

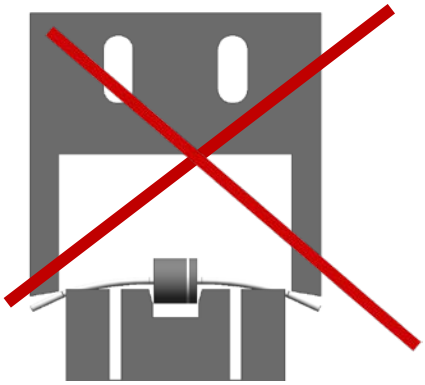


Step 2: Cutting/bending with strain relief √

Not admissible!



Cutting/bending without strain relief!



Mechanical stress is applied through lead wires to semiconductor crystal