

SBP12



Description

The SBP12 is a 12 V replacement battery pack that is used to bias our now-discontinued SV2-FC and SIR5-FC fiber-coupled photodetectors. Thorlabs began shipping this battery pack with those detectors in October 2013. It completely replaces the 20 V battery that was originally used, which we can no longer offer due to shipping regulations. Our testing shows that a 12 V bias provides performance that is within the stated specifications of the SV2-FC and SIR5-FC detectors.

The SBP12 consists of an Energizer A23 battery in a new housing designed to fit the SV2-FC and SIR5-FC detectors. If you already own the newer housing (i.e., you purchased your SV2-FC or SIR5-FC detector in or after October 2013, or you have already purchased the SBP12 once), you only need to purchase the A23 battery when your battery needs replacement. The older housing for the 20 V battery is not compatible with the A23.

One-Time Modification for Detectors Purchased Before October 2013

Owners of detectors purchased before October 2013 need to perform a one-time modification to their photodiodes to make them compatible with the SBP12. The modification is illustrated below.

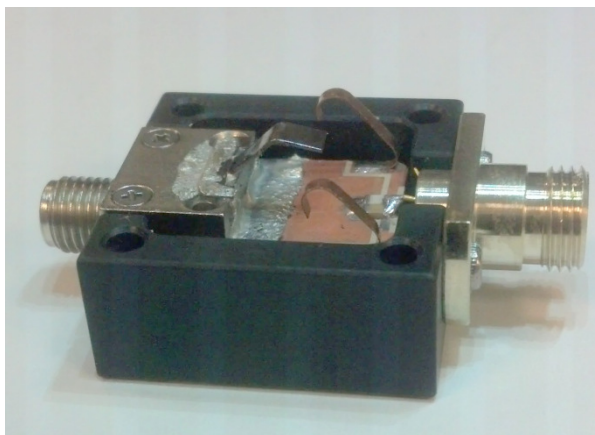


Figure 1. Original Position of Electrical Contacts

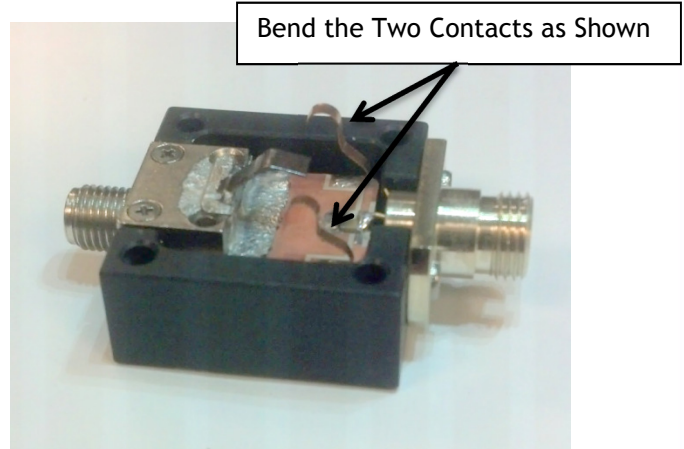


Figure 2. Electrical Contacts Modified for SBP12

