Semiconductor Bridge Initiators

**Description**

Semiconductor Bridge (SCB) initiators are fast-acting, low-energy electro-explosive devices. SCB initiators are extremely efficient at converting electrical energy to explosive energy to produce a squib or detonation output.

The key component of an SCB initiator is the semiconductor bridge chip itself. By controlling the size and shape of the bridge area on the chip, the firing characteristics of the initiator can be very tightly controlled. Since SCB chips are built using standard semiconductor processing techniques, additional 'on-chip' electrical circuitry has been added to a number of designs. A variety of SCB initiators have been developed to meet specific requirements such as immunity to electrostatic discharge (ESD), voltage blocking for Radio Frequency (RF) protection and very low initiation energy applications.

*For a full product sheet, please contact EBA&D.*