

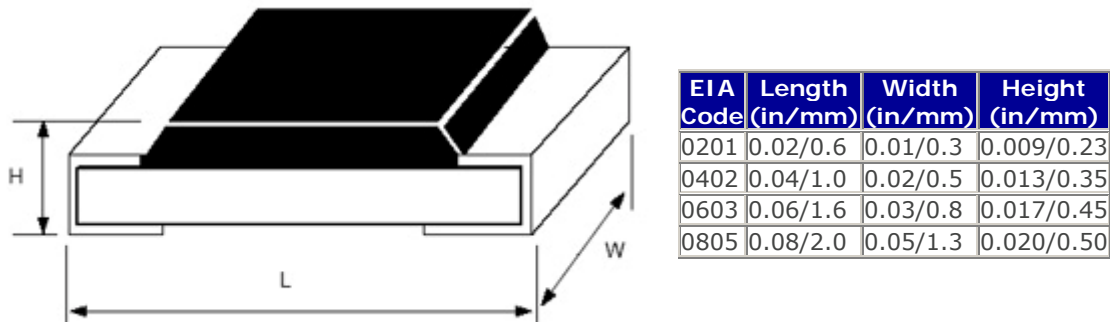
## FP-T23-06

The MicroClip's pointed conductors are designed to prick into the solder of a mounted SMD and hold the MicroClip securely in place. An available placeholder can be used to position the MicroClip securely if extra security is required in positioning the MicroClip or for using the MicroClip to probe an un-mounted DUT. Four different sized MicroClips are available to fit four EIA standard component sizes: 0201, 0402, 0603 and 0805 (Figure 1). Be sure to choose the appropriate MicroClip for the DUT's dimensions. Note that length (L) is the critical dimension, as too long or short a device will not allow the MicroClip to clip on to the ends of the device under test (DUT). The MicroClip's low contact resistance and high dielectric strength allows it to be used for probing components accurately while the system is operational.

### Features & Benefits

- Allows probing of system even if test points or break-out pins are unavailable
- Allows hands free probing of surface mount components
- Spring-tensioned pointed conductors grip firmly onto soldered terminals of DUT
- Available probe holder to allow hands-free use with un-mounted DUT
- Eases system power supply monitoring
- Greatly reduces debug and analysis time
- Reduces PCB costs by eliminating the need to have test points
- Four different MicroClips available for 0201, 0402, 0603 and 0805 component sizes
- 13 cable assemblies available to adapt the MicroClip to different applications

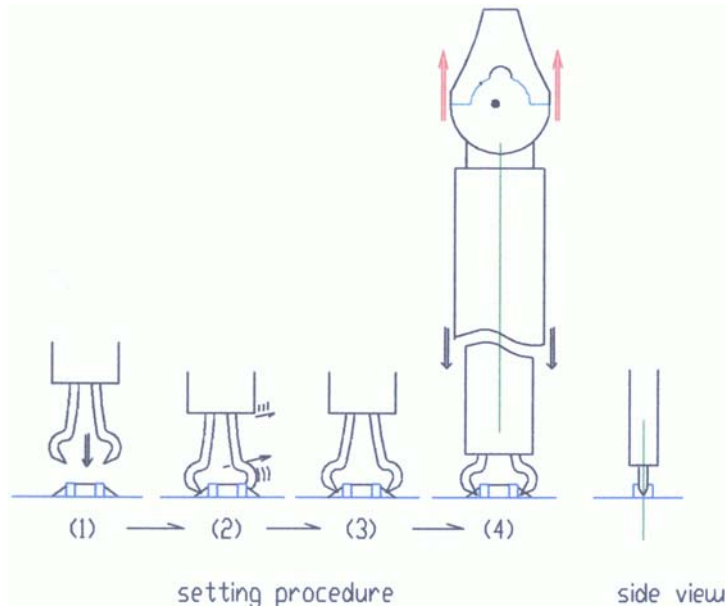
Figure 1: Typical EIA Component Dimensions



ELECTRICAL SPECIFICATIONS	
Conductor resistance	15mΩ max
Contact Resistance	15mΩ max
Dielectric strength between two conductors	50VDC
Dielectric strength between a conductor and ground	50VDC
Operating bandwidth	DC to 300MHz
Capacitance @ 1kHz	0.5pF
MATERIAL SPECIFICATIONS	
Conductive probe	Gold-plated stainless steel
Body	Plastic ABS

### An Overview of Installation Procedure

**NOTE: SEE [INSTALLATION GUIDE](#) FOR DETAILS.**



**NOTES:**

1. Only use the MicroClip on components of the appropriate size.
2. Hold the tweezers perpendicular to the body when sliding
3. Do not slide the body fully down over the probe tips; slide it just enough so the tips prick into the solder.
4. Do not pull the clip from the DUT without first sliding the body fully upward to release the probe tips.
5. An integrated magnifying glass and tweezer set is available to assist with installing the MicroClip.
6. 13 different probe cable assemblies are available to connect the MicroClip in various applications.

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