

MIL-STD-883G

METHOD 2016

PHYSICAL DIMENSIONS

1. PURPOSE. The purpose of this examination is to verify that the external physical dimensions of the device are in accordance with the applicable acquisition document.

2. APPARATUS. Equipment used in this examination shall include micrometers, calipers, gauges, contour projectors, or other measuring equipment capable of determining the actual device dimensions specified in the applicable acquisition document.

3. PROCEDURE. Unless otherwise specified, the physical dimensions on the case outline drawing shall be measured.

3.1 Failure criteria. Any device which exhibits a dimension or dimensions outside the specified tolerances or limits shall constitute a failure.

4. SUMMARY. The following detail shall be specified in the applicable acquisition document:

External dimensions which are capable of physically describing the device (see 3). Dimensions to be considered shall include case outline dimensions; special lead shapes (e.g., required bend positions, angles of bend), where applicable; dimensions of any projecting or indented features used for coding of lead arrangement, automatic handling and similar purpose; and any other information which affects the installed size or orientation of the device in normal applications.