

<b>DOCUMENT NO:</b> TM-500 <b>SERIES</b>	<b>TITLE:</b> Test Methods for Padrings	<b>PAGE:</b> 1 of 1
<b>APPLICATION:</b>	<b>REVISION:</b> DRAFT	<b>DATE:</b> 1/19/07

**PURPOSE:** Establish methodology for verifying padding features.

**SCOPE:** This document is intended to be used in conjunction with the applicable ALMA International document(s) in which it is referenced. These referencing document(s) may contain general information not included in this document, but which applies to this document, thus it is not recommended to use this document outside of its intended context. In the event of conflict, information in this document supercedes information in the referencing document(s).

**RESPONSIBILITY:** ALMA International Component Standards Sub-Committee

**RECORDS:** This document will be maintained and kept on file by ALMA International. Measurement results shall be maintained by the entity performing the measurement.

**RELATED DOCUMENTS:**

ALMA International Nomenclature Prints (NP's)  
ALMA International Dimensioning and Tolerancing Guidelines (DG's)  
ALMA International Measurement Guidelines (MG's)

- 1) **I.D. Size:** Place part on a surface plate or flat surface. For round parts check dimension in two axis locations on full feature size. For elliptical parts determine largest points on minor and major axis.
- 2) **O.D. Size:** N/A
- 3) **Notch Location:** N/A
- 4) **Notch Width:** N/A
- 5) **Notch Depth:** N/A
- 6) **Notch Radius:** N/A
- 7) **O.D. Profile:** Place part on inspection Mylar, centering part manually within the tolerance zone. Inspect part periphery for overlap of either minimum or maximum zone indicator. Coverage of either line indicates out of tolerance condition.
- 8) **Thickness:** Measure thickness in four places and average result. At no point shall the measured thickness exceed the minimum or maximum limits.
- 9) **Flatness:** Place part on a surface plate. Run a 3.00 mm feeler gage held flat on the plate around the periphery of the part. At no point shall the gage be able to be placed under the part peripheral land without disturbing the part's position.

**Revision History**

<b>Rev Level</b>	<b>Description of Change</b>	<b>Prepared/ Changed By/ Date</b>	<b>Approved By/ Date</b>
DRAFT	Initial submission for review	Greg Seidel Brian Sterling 1-19-07	