

JEDEC JC-11 COMMITTEE ON MECHANICAL STANDARDIZATION**STANDARD PROCEDURES AND PRACTICES**

POLICY NUMBER: SPP-014

SUBJECT: Mold Flash, Interlead Flash, Gate Burrs and Protrusions for Plastic Packages.

EFFECTIVE DATE:

BACKGROUND

- Users have found it necessary to clarify JEDEC outlines regarding the measuring of mold flash, interlead flash, gate burrs, and protrusions on plastic packages.

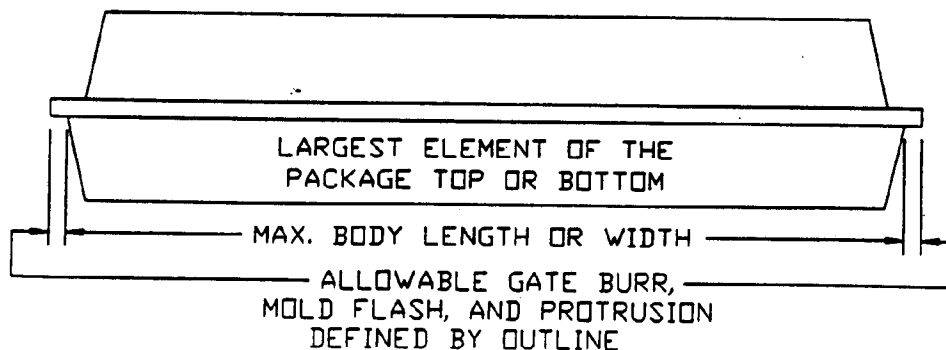
PRACTICE

- All JEDEC outlines for plastic packages shall reference this specification showing the dimensions for mold flash, interlead flash, gate burrs and protrusions.

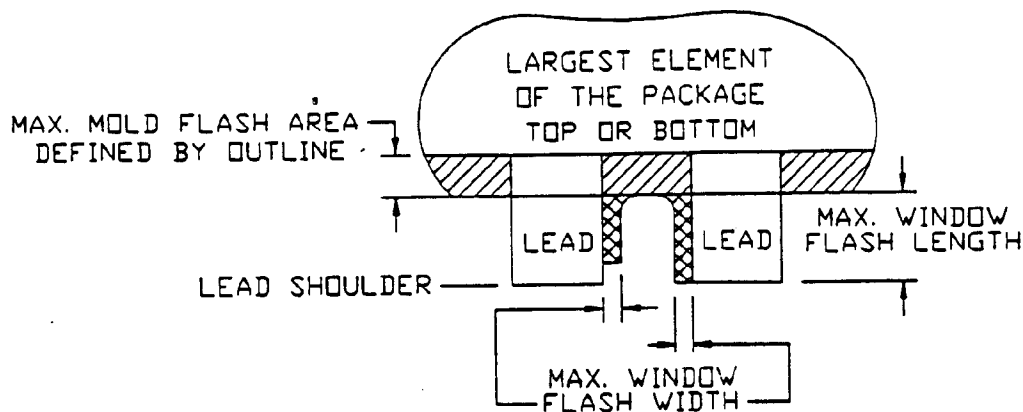
APPLICATION INFORMATION

- JEDEC outlines have not previously defined these dimensions in detail. JEDEC outlines in the future shall define these dimensions as follows:

GATE BURRS, MOLD FLASH, AND PROTRUSIONS:



JEDEC STANDARD 95-1

DESIGN GUIDELINES**INTERLEAD FLASH**

- * Maximum window flash length may follow the lead profile up to the inside edge of the dambar but shall not extend beyond the lead shoulder unless otherwise specified in the outline.
- ** Maximum window flash width shall not exceed the maximum allowable dambar protrusion unless otherwise specified in the outline.

DEFINITIONS:**MOLD FLASH**

Opaque mold compound material attached to the finished part and extending onto, between, and/or around adjacent leads and package edges.

**INTERLEAD
(WINDOW) FLASH**

Opaque mold compound material attached to an area between adjacent leads remaining after dambar trim operations.

PROTRUSION

Plastic or metal excess material remaining from the molding and trim/form/singulation operations.

GATE BURRS

Excess metal material remaining after singulating the package from its leadframe at the mold gate area.

DAMBAR

Metal barrier extending between adjacent leads to restrict the flow of mold compound material between and along leads.

The figures and definitions contained in this section will allow new or revised plastic package registrations and standards to be easily updated to include mold flash, interlead flash, gate burrs, and protrusions.