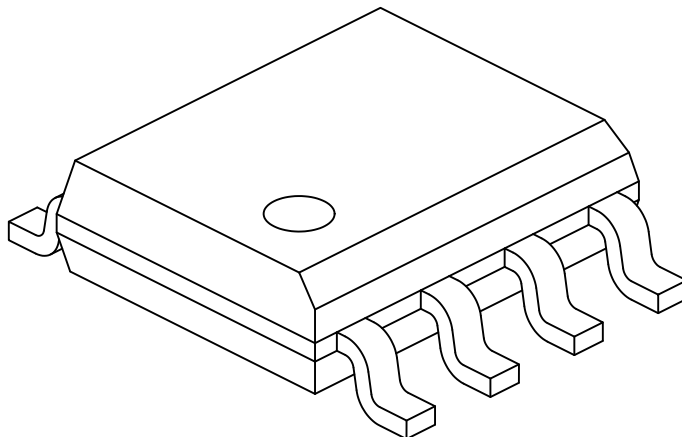


## 8-Lead Plastic Small Outline (OA) - Narrow, 3.90 mm (.150 In.) Body [SOIC]

**Note:** For the most current package drawings, please see the Microchip Packaging Specification located at <http://www.microchip.com/packaging>



| Units                    |    | MILLIMETERS |     |      |
|--------------------------|----|-------------|-----|------|
| Dimension Limits         |    | MIN         | NOM | MAX  |
| Number of Pins           | N  | 8           |     |      |
| Pitch                    | e  | 1.27 BSC    |     |      |
| Overall Height           | A  | –           | –   | 1.75 |
| Molded Package Thickness | A2 | 1.25        | –   | –    |
| Standoff §               | A1 | 0.10        | –   | 0.25 |
| Overall Width            | E  | 6.00 BSC    |     |      |
| Molded Package Width     | E1 | 3.90 BSC    |     |      |
| Overall Length           | D  | 4.90 BSC    |     |      |
| Chamfer (Optional)       | h  | 0.25        | –   | 0.50 |
| Foot Length              | L  | 0.40        | –   | 1.27 |
| Footprint                | L1 | 1.04 REF    |     |      |
| Lead Thickness           | c  | 0.17        | –   | 0.25 |
| Lead Width               | b  | 0.31        | –   | 0.51 |
| Lead Bend Radius         | R  | 0.07        | –   | –    |
| Lead Bend Radius         | R1 | 0.07        | –   | –    |
| Foot Angle               | θ  | 0°          | –   | 8°   |
| Mold Draft Angle         | θ1 | 5°          | –   | 15°  |
| Lead Angle               | θ2 | 0°          | –   | –    |

### Notes:

1. The Pin 1 visual index feature may vary, but it must be located within the hatched area.
2. § Significant Characteristic
3. Dimensions D and E1 do not include mold flash or protrusions. Mold flash or protrusions shall not exceed 0.15mm per side.
4. Dimensioning and tolerancing per ASME Y14.5M
  - BSC: Basic Dimension. Theoretically exact value shown without tolerances.
  - REF: Reference Dimension, usually without tolerance, for information purposes only.
5. Datums A & B to be determined at Datum H.