

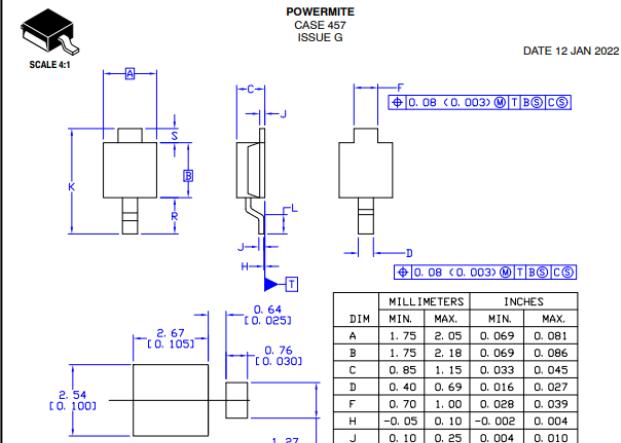
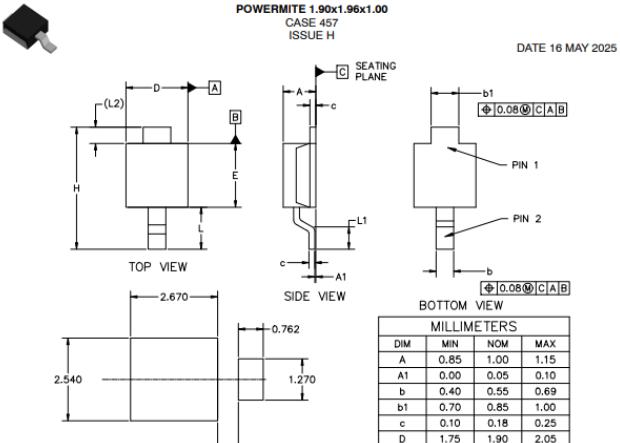
| | |
|--------------------------------|---|
| Title of Change: | Alignment of Case Outline 457-04 Symbol Drawing with JEDEC Standards |
| Effective date: | 25 Sep 2025 |
| Contact information: | Contact your local onsemi Sales Office |
| Type of notification: | This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin. |
| Change Category: | Documentation |
| Change Sub-Category(s): | Align the document of physical dimension case out line 457-04 with JEDEC standards |

Sites Affected:

| onsemi Sites | External Foundry/Subcon Sites |
|--------------|-------------------------------|
| None | None |

Description and Purpose:

onsemi wishes to inform customers of its plan to update the documentation for the physical dimensions of case outline 457-04. This update is intended to align the documentation with JEDEC standards
This update does not impact the dimensions of the physical unit and there is no change of assembly process.

| | Version G | Version H |
|-----------------------------|--|---|
| Case out line 457-04 |  <p>POWERMITE CASE 457 ISSUE G DATE 12 JAN 2022</p> <p>RECOMMENDED MOUNTING FOOTPRINT</p> <p>GENERIC MARKING DIAGRAMS*</p> <p>1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994. 2. CONTROLLING DIMENSION: MILLIMETERS 3. DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN THE TERMINAL TIP, AND IS MEASURED BETWEEN 0.15 AND 0.30mm FROM THE TERMINAL TIP.</p> <p>NOTES: *This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "*", may or may not be present. Some products may not follow the Generic Marking.</p> <p>XXX = Specific Device Code M = Date Code * = Pb-Free Package</p> |  <p>POWERMITE 1.90x1.96x1.00 CASE 457 ISSUE H DATE 16 MAY 2025</p> <p>TOP VIEW SIDE VIEW BOTTOM VIEW</p> <p>RECOMMENDED MOUNTING FOOTPRINT *For additional information on our Pb-Free Strategy and Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.</p> <p>GENERIC MARKING DIAGRAMS*</p> <p>1. DIMENSIONING AND TOLERANCING AS PER ASME Y14.5M, 2018. 2. CONTROLLING DIMENSION: MILLIMETERS. 3. DIMENSION D & E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS.</p> <p>NOTES: *This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "*", may or may not be present. Some products may not follow the Generic Marking.</p> |

The symbol drawing will be changed from version G to version H to align with the JEDEC standard.

| POD CASE 457 | | | | |
|----------------|-------------|----------------|-------------|-----------------|
| From version G | | To version H | | |
| Symbol Drawing | MILLIMETERS | Symbol Drawing | MILLIMETERS | Remark |
| A | 1.75-2.05 | D | 1.75 – 2.05 | No change |
| B | 1.75-2.18 | E | 1.75-2.18 | No change |
| C | 0.85-1.15 | A | 0.85-1.15 | No change |
| D | 0.40-0.69 | b | 0.4 – 0.69 | No change |
| F | 0.70-1.0 | b1 | 0.7 – 1.0 | No change |
| H | -0.05-0.10 | a1 | 0 – 0.10 | Standardization |
| J | 0.10 -0.25 | c | 0.10-0.25 | No change |
| K | 3.60-3.90 | H | 3.6 -3.9 | No change |
| L | 0.50-0.80 | L1 | 0.5 – 0.80 | No change |
| R | 1.20-1.50 | L | 1.2-1.5 | No change |
| S | 0.50 REF | L2 | 0.50 REF | No change |

This update does not impact to Form, Fit and Function of affected device.
Datasheet specifications and product electrical performance remain unchanged.

List of Affected Standard Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

| | | |
|----------------|------------------|------------------|
| NRVBM120ET1G | NRVBM120LT1G | NRVBM130LT1G |
| NRVBM140T1G | NRVBM2H100T3G | NRVHPM120T3G |
| NRVHPM220T3G | NRVHPM260T3G | NRVTSMS260EV2T1G |
| SZNUD4700SNT1G | NRVTSMS260EV2T3G | |