

Handling Guidelines for TO-5 and Centigrid® Relays

- 1) Do not drop, throw or in any way mishandle individual relays, cartons containing relay packs, or individual relay packs.
- 2) Store unused relays in a humidity controlled, shock and vibration-free environment. Storage temperature range limits -65°C to + 125°C, however, when possible, relays should be stored in a 25°C environment.
- 3) Observe normal good practice in the handling and storage of any relay packs marked as static sensitive.
- 4) When removing relays from packaging, do so with care. If removing relays from Styrofoam packaging, remove relays carefully as pouring them from the packaging may cause damage to the relay. If removing from bulk packaging, gently pour the relays from the container, taking care to not allow the relays to drop from the container onto the new surface, to prevent unnecessary shock. Do not allow relays to fall onto the floor.
- 5) When transferring relays to the production area after unpacking, do not drop, throw, or mishandle the relays in any way. When removing relays from the container, pouring is acceptable but again should be done gently and in a way as to not allow the relays to drop.
- 6) Attached relay spreader pads and insulating pads should not be removed from the relays.
- 7) Relays should not be exposed to any process or environment that exceeds any limits within this guide or any published specification that applies to the relay.
- 8) Relays are hermetically sealed. Damaged to the casing or glass-to-metal seals will compromise the relays' performance and reliability.
- 9) Never subject relays to ultrasonic cleaning environments.
- 10) Unless otherwise specified, do not subject relays to solder reflow temperatures above 270°C, 1 minute maximum.
- 11) Do not stack heavy object directly onto relays.
- 12) Excessive handling of relay leads with bare hands, or exposure of the relay leads with other contaminating sources can compromise their solderability.
- 13) Avoid exceeding 1-pound pull strength of the terminals.
- 14) Avoid subjecting magnetic latching relays to large magnetic fields. Do not handle magnetic latching relays with magnetic holding tools.
- 15) Avoid bending the flange, the base of the relays or bending/forming the leads in a manner which may result in deformation of the flange or base of the relays. Any such deformation, or handling, which results in visible deformations or dents to any part of the relays (including the cover) may compromise the precisely assembled internal parts of the relays, causing degradation of performance or potential permanent damage and may void the warranty.