

# Moisture Sensitivity Level (MSL)

January 19, 2026

# Recommended Storage Condition

- Insignis parts have an MSL value of 3 – 168 hrs
- Before un-packing
  - It is defined by IPC/JEDEC J-STD-020.
  - This shelf life shall be within 12 months when stored in non-condensing atmospheric environment of  $<40^{\circ}\text{C}$  and  $<90\% \text{ RH}$  (Shelf life condition).
- After un-packing
  - It is defined by IPC/JEDEC J-STD-033.
  - This floor life shall be stored under  $30^{\circ}\text{C}$ ,  $60\% \text{ RH}$  working environment (Floor Life)
  - If the moisture sensitivity is “3”, it should be mounted within 168hrs after un-packing.

# Recommended Baking Condition

For MSL-3 devices, parts should be mounted within 168hrs after un-packing. Baking before mounting is strongly recommended if expiring 168hrs floor life, with different recommended baking condition listed below.

- TRAY

- Etron recommends baking in trays at 125°C, 24hrs.

- EMBOSS (T&R)

- Etron recommends baking in EMBOSS (T&R) at 40°C, 192hrs or remove to tray and follow above baking condition in tray.