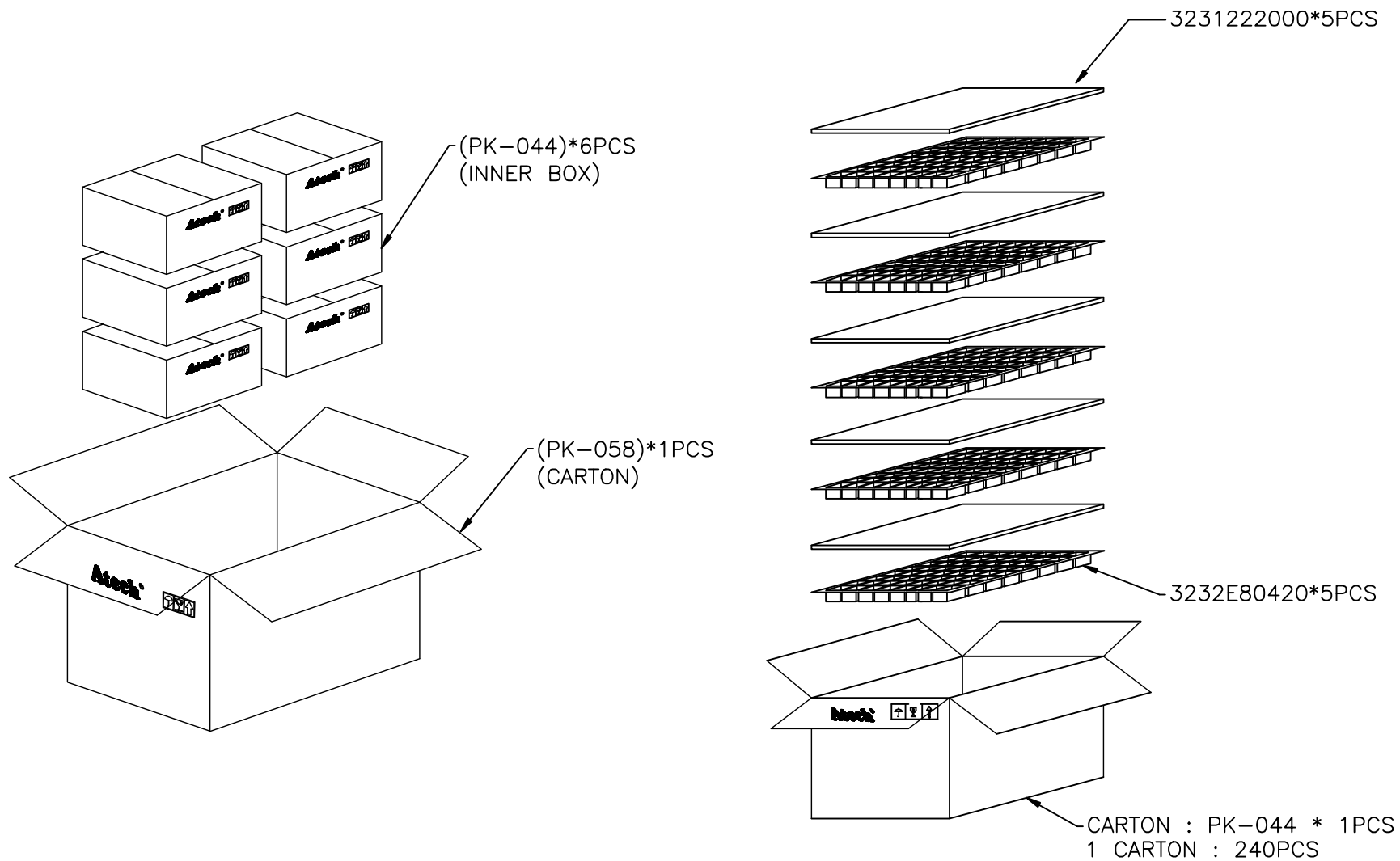


# ELECTRICAL CAHARACTERISTICS @25°C:

1. DCR : S-F = 0.1Ω MAX.
2. INDUCTANCE (@1kHz, 0.25Vrms) S-F = 28.7uH~35uH  
(@1kHz, 0.25Vrms, 3A) S-F = 22uH ±20%
3. RoHS COMPLIANT

|           |             |            |         |       |       |                                                                                       |                       |              |
|-----------|-------------|------------|---------|-------|-------|---------------------------------------------------------------------------------------|-----------------------|--------------|
|           |             |            |         |       |       |  | TITLE<br>INDUCTOR     |              |
|           |             |            |         |       |       |                                                                                       | DWG. NO.<br>ATS-2149R |              |
|           |             |            |         |       |       |                                                                                       |                       |              |
|           | RELEASE     | 02/04/2021 | SHIRLEY | BETTY | BETTY | UNITS:<br>M/M                                                                         | SAFETY                |              |
| NO:       | DESCRIPTION | DATE       | BY      | CHK   | APPD  | DATE                                                                                  | P/N:                  | SHEET 1 of 1 |
| REVISIONS |             |            |         |       |       | 02/04/21                                                                              | DRAW<br>Shirley       |              |

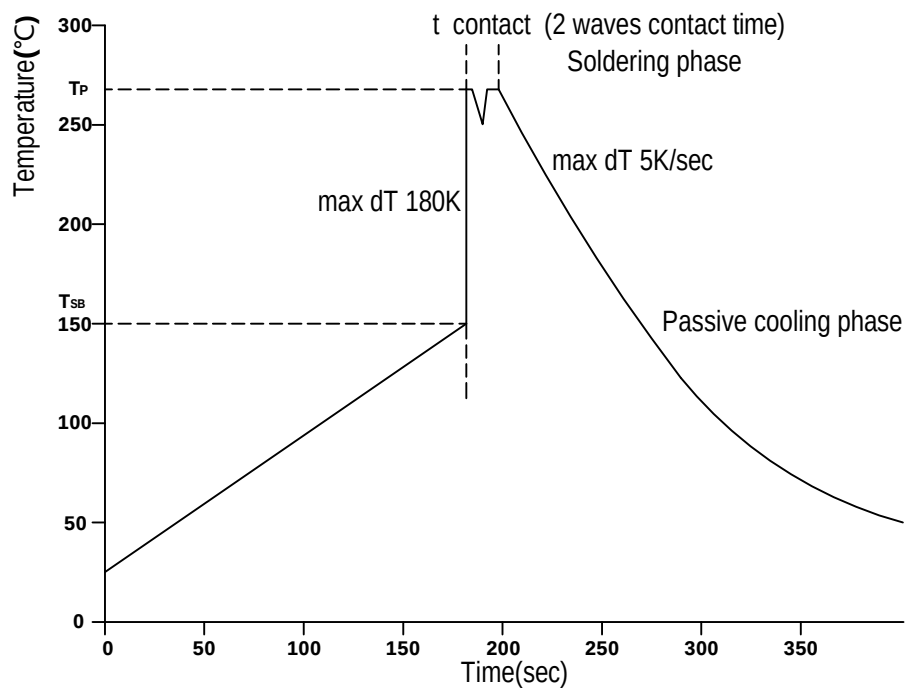


ONE TRAY : 48PCS  
 1PCS PK-044 : 240PCS  
 1PCS PK-058 : 6PCS PK-044 1440PCS

|           |             |            |         |      |      |                                                                                       |          |      |              |  |
|-----------|-------------|------------|---------|------|------|---------------------------------------------------------------------------------------|----------|------|--------------|--|
|           |             |            |         |      |      |  | TITLE    |      | PACKING      |  |
|           |             |            |         |      |      |                                                                                       | DWG. NO. |      | 968S214900   |  |
|           |             |            |         |      |      |                                                                                       |          |      |              |  |
|           | RELEASE     | 08/04/2021 | SHIRLEY | TINA | TINA | UNITS:                                                                                | SAFETY   |      | SHEET 1 of 1 |  |
| NO:       | DESCRIPTION | DATE       | BY      | CHK  | APPD | M/M                                                                                   |          |      |              |  |
|           |             |            |         |      |      | DATE                                                                                  | P/N:     | DRAW |              |  |
| REVISIONS |             |            |         |      |      | 08/04/21                                                                              |          |      | Shirley      |  |



## Resistance to soldering heat (wave soldering)



Resistance to soldering heat (wave soldering) referring to the terminals

| Key                                                                                     | Par.                                | Profile feature                                   | Pb free Process     |
|-----------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------|---------------------|
| T.1                                                                                     | T <sub>SB</sub>                     | Final Preheat Temperature                         | 150°C               |
| T.2                                                                                     | t pre-heat                          | Pre-heating time (T room to T <sub>SB</sub> )     | 180sec              |
| T.3                                                                                     | d <sub>T</sub> /d <sub>t</sub> up   | Ramp-Up Rate (T <sub>SB</sub> to T <sub>P</sub> ) | 180°C/sec           |
| T.4                                                                                     | T <sub>P</sub>                      | Peak Temperature T <sub>P</sub>                   | 255°C ~ 265°C       |
| T.5                                                                                     | t contact                           | Contact Time at Peak                              | 10sec (5sec x wave) |
| T.6                                                                                     | d <sub>T</sub> /d <sub>t</sub> down | Ramp-Down Rate                                    | 5°C/sec             |
| Failure criteria concerning quality of the soldering termination acc. to the IPC-A-610D |                                     |                                                   |                     |