

## »Performance Specification

| Model             | I-hold | I-trip | Vmax  | Imax   | Pd typ | Max. Time to trip |        | R0 min | R1max |
|-------------------|--------|--------|-------|--------|--------|-------------------|--------|--------|-------|
|                   | (A)    | (A)    | (Vdc) | (A)    | (W)    | Current           | Time   |        |       |
|                   | (A)    | (A)    | (Vdc) | (A)    | (W)    | (A)               | (Sec.) | (Ohm)  | (Ohm) |
| SMD1206-005/30N   | 0.05   | 0.15   | 30.00 | 40.00  | 0.60   | 0.25              | 1.50   | 2.50   | 40.00 |
| SMD1206-005/60N   | 0.05   | 0.15   | 60.00 | 10.00  | 0.60   | 0.25              | 1.50   | 2.50   | 40.00 |
| SMD1206-010/30N   | 0.10   | 0.25   | 30.00 | 40.00  | 0.60   | 0.50              | 1.50   | 1.40   | 15.00 |
| SMD1206-010/60N   | 0.10   | 0.25   | 60.00 | 10.00  | 0.60   | 0.50              | 1.50   | 1.40   | 15.00 |
| SMD1206-012/30N   | 0.12   | 0.29   | 30.00 | 100.00 | 0.60   | 1.00              | 0.20   | 1.35   | 8.50  |
| SMD1206-012/48N   | 0.12   | 0.29   | 48.00 | 100.00 | 0.60   | 1.00              | 0.20   | 1.40   | 6.50  |
| SMD1206-012/60N   | 0.12   | 0.29   | 60.00 | 10.00  | 0.60   | 1.00              | 0.20   | 1.35   | 8.50  |
| SMD1206-016/48N   | 0.16   | 0.45   | 48.00 | 10.00  | 0.60   | 1.00              | 0.30   | 1.10   | 5.00  |
| SMD1206-020/24N   | 0.20   | 0.40   | 24.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.50   | 2.60  |
| SMD1206-020/30N   | 0.20   | 0.40   | 30.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.50   | 2.60  |
| SMD1206-025/16N   | 0.25   | 0.50   | 16.00 | 100.00 | 0.60   | 8.00              | 0.08   | 0.40   | 2.40  |
| SMD1206-025/24N   | 0.25   | 0.50   | 24.00 | 100.00 | 0.60   | 8.00              | 0.08   | 0.40   | 2.40  |
| SMD1206-025/30N   | 0.25   | 0.50   | 30.00 | 100.00 | 0.60   | 8.00              | 0.08   | 0.40   | 2.40  |
| SMD1206-025/48N   | 0.25   | 0.50   | 48.00 | 40.00  | 0.60   | 8.00              | 0.08   | 0.40   | 2.70  |
| SMD1206-035/16N   | 0.35   | 0.70   | 16.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.30   | 1.20  |
| SMD1206-035/30N   | 0.35   | 0.70   | 30.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.30   | 1.40  |
| SMD1206-035/30SN  | 0.35   | 0.70   | 30.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.30   | 1.20  |
| SMD1206-050/6N    | 0.50   | 1.00   | 6.00  | 100.00 | 0.60   | 8.00              | 0.10   | 0.15   | 0.75  |
| SMD1206-050/8N    | 0.50   | 1.00   | 8.00  | 100.00 | 0.60   | 8.00              | 0.10   | 0.15   | 0.75  |
| SMD1206-050/16N   | 0.50   | 1.00   | 16.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.15   | 0.75  |
| SMD1206-050/24N   | 0.50   | 1.00   | 24.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.15   | 1.00  |
| SMD1206-050/30N   | 0.50   | 1.00   | 30.00 | 100.00 | 0.60   | 8.00              | 0.10   | 0.15   | 1.00  |
| SMD1206-075/8N    | 0.75   | 1.50   | 8.00  | 100.00 | 0.60   | 8.00              | 0.20   | 0.09   | 0.40  |
| SMD1206-075/13.2N | 0.75   | 1.50   | 13.20 | 100.00 | 0.60   | 8.00              | 0.20   | 0.09   | 0.40  |
| SMD1206-075/16N   | 0.75   | 1.50   | 16.00 | 100.00 | 0.60   | 8.00              | 0.20   | 0.09   | 0.50  |
| SMD1206-075/24N   | 0.75   | 1.50   | 24.00 | 100.00 | 0.60   | 8.00              | 0.20   | 0.09   | 0.50  |
| SMD1206-075/30N   | 0.75   | 1.50   | 30.00 | 100.00 | 0.60   | 8.00              | 0.20   | 0.09   | 0.50  |
| SMD1206-100/6N    | 1.00   | 2.00   | 6.00  | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.21  |
| SMD1206-100/8N    | 1.00   | 2.00   | 8.00  | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.21  |
| SMD1206-100/12N   | 1.00   | 2.00   | 12.00 | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.25  |
| SMD1206-100/16N   | 1.00   | 2.00   | 16.00 | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.25  |
| SMD1206-100/24N   | 1.00   | 2.00   | 24.00 | 40.00  | 0.80   | 8.00              | 0.10   | 0.04   | 0.27  |
| SMD1206-110/6N    | 1.10   | 2.20   | 6.00  | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.21  |
| SMD1206-110/8N    | 1.10   | 2.20   | 8.00  | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.21  |
| SMD1206-110/12N   | 1.10   | 2.20   | 12.00 | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.25  |
| SMD1206-110/16N   | 1.10   | 2.20   | 16.00 | 100.00 | 0.80   | 8.00              | 0.10   | 0.04   | 0.25  |
| SMD1206-110/24N   | 1.10   | 2.20   | 24.00 | 40.00  | 0.80   | 8.00              | 0.10   | 0.04   | 0.27  |
| SMD1206-125/6N    | 1.25   | 2.50   | 6.00  | 100.00 | 0.80   | 8.00              | 0.50   | 0.035  | 0.16  |
| SMD1206-125/8N    | 1.25   | 2.50   | 8.00  | 100.00 | 0.80   | 8.00              | 0.50   | 0.035  | 0.16  |

|                 |      |      |       |        |      |      |      |       |       |
|-----------------|------|------|-------|--------|------|------|------|-------|-------|
| SMD1206-150/6N  | 1.50 | 3.00 | 6.00  | 100.00 | 0.80 | 8.00 | 0.30 | 0.03  | 0.15  |
| SMD1206-150/8N  | 1.50 | 3.00 | 8.00  | 100.00 | 0.80 | 8.00 | 0.30 | 0.03  | 0.15  |
| SMD1206-150/12N | 1.50 | 3.00 | 12.00 | 100.00 | 0.80 | 8.00 | 0.30 | 0.03  | 0.15  |
| SMD1206-150/16N | 1.50 | 3.00 | 16.00 | 100.00 | 0.80 | 8.00 | 0.30 | 0.03  | 0.15  |
| SMD1206-175/6N  | 1.75 | 3.50 | 6.00  | 100.00 | 0.80 | 8.00 | 0.50 | 0.02  | 0.09  |
| SMD1206-200/6N  | 2.00 | 4.00 | 6.00  | 100.00 | 0.80 | 8.00 | 0.50 | 0.018 | 0.085 |
| SMD1206-200/10N | 2.00 | 4.00 | 10.00 | 40.00  | 0.80 | 8.00 | 0.50 | 0.018 | 0.100 |
| SMD1206-200/12N | 2.00 | 4.00 | 12.00 | 40.00  | 0.80 | 8.00 | 0.50 | 0.018 | 0.100 |

I-hold: Holding Current: maximum current at which the device will not trip in 25°C still air.

I-trip: Tripping Current: minimum current at which the device will trip in 25°C still air.

Vmax: Maximum voltage device can withstand without damage at rated current(I<sub>max</sub>).

I<sub>max</sub>: Maximum fault current device can withstand without damage at rated voltage(V<sub>max</sub>).

P<sub>d typ</sub>: Typical power dissipated from device when in the tripped state at 25°C still air.

R<sub>0 min</sub>: Minimum resistance of device in initial (un-soldered) state.

R<sub>1 max</sub>: Maximum resistance of device at 25°C measured one hour after tripping or reflow soldering of 260°C for 20 sec.

## »Environmental Specifications

|   |   |
|---|---|
| Operating Temperature                               | -40 °C to +85 °C  |
| Maximum Device Surface Temperature in Tripped State | 125°C   |
| Passive Aging                                       | +85 °C, 1000 hours ; ±5 % typical resistance change                                     |
| Humidity Aging                                      | +85 °C, 85 % R.H. 1000 hours; ±5 % typical resistance change                            |
| Thermal Shock                                       | MIL-STD-202, Method 107;<br>+85 °C to -40 °C, 20 times; -30 % typical resistance change |
| Solvent Resistance                                  | MIL-STD-202, Method 215 ; No change   |
| Vibration   | MIL-STD-883, Method 2007, Condition A; No change  |
| Moisture Sensivity Level                            | Level 1, J-STD-020  |
| Storage Conditions                                  | +40 °C Max. 70% RH Max. Packed in original packaging.                                   |

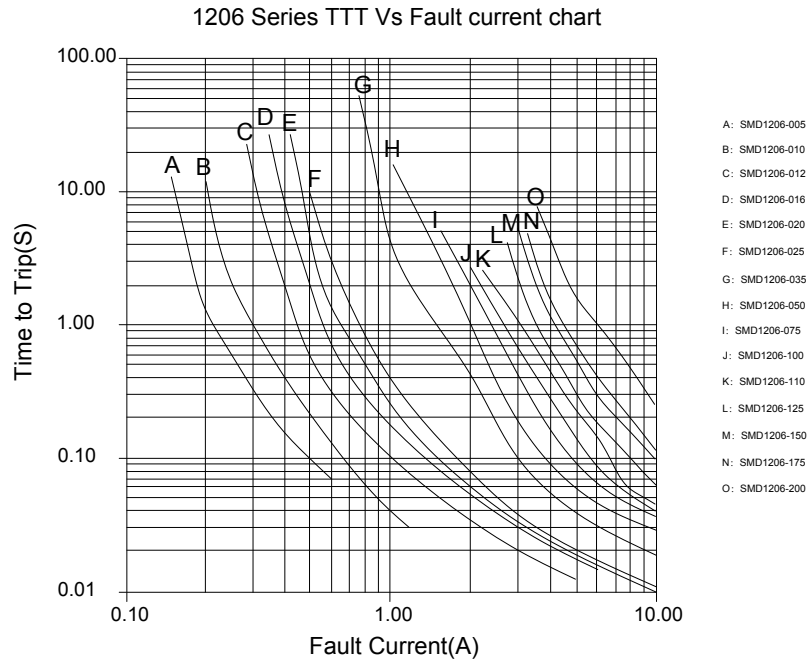
## »Test Procedures And Requirements

| No. | Test               | Test Conditions   | Accept/Reject Criteria                      |
|-----|--------------------|---|---|
| 1   | R <sub>0 min</sub> | Resistance measurement at 25°C                                | $R_{0min} \leq R \leq R_{1max}$             |
| 2   | R <sub>1 max</sub> | Resistance measurement one hour after post trip               | $R_{0min} \leq R \leq R_{1max}$             |
| 3   | I-hold             | Hold rated current 1800 second without trip, @ 25°C           | No trip                                     |
| 4   | I-trip             | Device must trip within 900 second under rated current, @25°C | Trip  |
| 5   | Max. time to trip  | At specified current, 25°C                                    | $T \leq \text{max. time to trip (seconds)}$ |
| 6   | Trip Cycle Life    | V <sub>max</sub> , I <sub>max</sub> , 100 cycles              | No arcing or burning                        |
| 7   | Trip Endurance     | V <sub>max</sub> , I <sub>max</sub> 24 hours                  | No arcing or burning                        |
| 8   | Solderability      | ANSI/J-STD-002  | 95 % min. coverage                          |

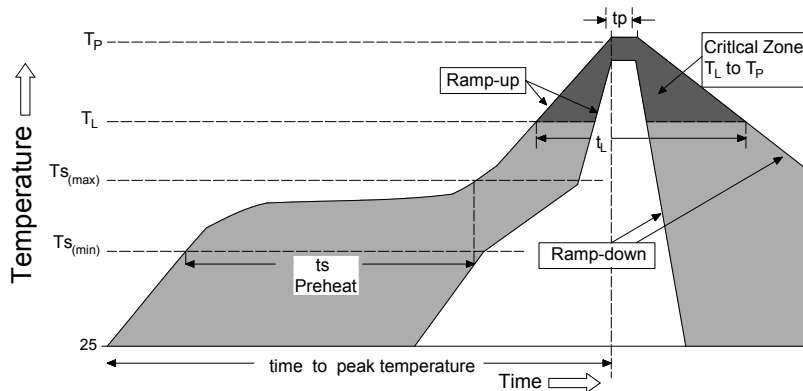
»Thermal Derating Chart Recommended Hold Current(A) at Ambient Temperature(°C)

| Model             | Ambient Operating Temperature |       |       |       |       |       |       |       |       |
|-------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | -40°C                         | -20°C | 0°C   | 25°C  | 40°C  | 50°C  | 60°C  | 70°C  | 85°C  |
| SMD1206-005/30N   | 0.076                         | 0.068 | 0.060 | 0.050 | 0.043 | 0.039 | 0.034 | 0.030 | 0.023 |
| SMD1206-005/60N   | 0.076                         | 0.068 | 0.060 | 0.050 | 0.043 | 0.039 | 0.034 | 0.030 | 0.023 |
| SMD1206-010/30N   | 0.156                         | 0.139 | 0.120 | 0.100 | 0.083 | 0.074 | 0.065 | 0.056 | 0.042 |
| SMD1206-010/60N   | 0.156                         | 0.139 | 0.120 | 0.100 | 0.083 | 0.074 | 0.065 | 0.056 | 0.042 |
| SMD1206-012/30N   | 0.18                          | 0.16  | 0.14  | 0.12  | 0.10  | 0.09  | 0.08  | 0.07  | 0.05  |
| SMD1206-012/48N   | 0.18                          | 0.16  | 0.14  | 0.12  | 0.10  | 0.09  | 0.08  | 0.07  | 0.05  |
| SMD1206-012/60N   | 0.18                          | 0.16  | 0.14  | 0.12  | 0.10  | 0.09  | 0.08  | 0.07  | 0.05  |
| SMD1206-016/48N   | 0.22                          | 0.20  | 0.18  | 0.16  | 0.14  | 0.13  | 0.12  | 0.11  | 0.09  |
| SMD1206-020/24N   | 0.28                          | 0.25  | 0.23  | 0.20  | 0.17  | 0.15  | 0.14  | 0.12  | 0.09  |
| SMD1206-020/30N   | 0.28                          | 0.25  | 0.23  | 0.20  | 0.17  | 0.15  | 0.14  | 0.12  | 0.09  |
| SMD1206-025/16N   | 0.37                          | 0.33  | 0.29  | 0.25  | 0.22  | 0.2   | 0.17  | 0.15  | 0.12  |
| SMD1206-025/24N   | 0.37                          | 0.33  | 0.29  | 0.25  | 0.22  | 0.2   | 0.17  | 0.15  | 0.12  |
| SMD1206-025/30N   | 0.37                          | 0.33  | 0.29  | 0.25  | 0.22  | 0.2   | 0.17  | 0.15  | 0.12  |
| SMD1206-025/48N   | 0.37                          | 0.33  | 0.29  | 0.25  | 0.22  | 0.2   | 0.17  | 0.15  | 0.12  |
| SMD1206-035/16N   | 0.50                          | 0.45  | 0.40  | 0.35  | 0.30  | 0.27  | 0.24  | 0.21  | 0.15  |
| SMD1206-035/30N   | 0.50                          | 0.45  | 0.40  | 0.35  | 0.30  | 0.27  | 0.24  | 0.21  | 0.15  |
| SMD1206-035/30SN  | 0.50                          | 0.45  | 0.40  | 0.35  | 0.30  | 0.27  | 0.24  | 0.21  | 0.15  |
| SMD1206-050/6N    | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| SMD1206-050/8N    | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| SMD1206-050/16N   | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| SMD1206-050/24N   | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| SMD1206-050/30N   | 0.71                          | 0.64  | 0.57  | 0.50  | 0.42  | 0.39  | 0.35  | 0.31  | 0.25  |
| SMD1206-075/8N    | 1.14                          | 1.01  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| SMD1206-075/13.2N | 1.14                          | 1.01  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| SMD1206-075/16N   | 1.14                          | 1.01  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| SMD1206-075/24N   | 1.14                          | 1.01  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| SMD1206-075/30N   | 1.14                          | 1.01  | 0.88  | 0.75  | 0.65  | 0.59  | 0.54  | 0.49  | 0.41  |
| SMD1206-100/6N    | 1.49                          | 1.33  | 1.18  | 1.00  | 0.84  | 0.75  | 0.73  | 0.59  | 0.47  |
| SMD1206-100/8N    | 1.49                          | 1.33  | 1.18  | 1.00  | 0.84  | 0.75  | 0.73  | 0.59  | 0.47  |
| SMD1206-100/12N   | 1.49                          | 1.33  | 1.18  | 1.00  | 0.84  | 0.75  | 0.73  | 0.59  | 0.47  |
| SMD1206-100/16N   | 1.49                          | 1.33  | 1.18  | 1.00  | 0.84  | 0.75  | 0.73  | 0.59  | 0.47  |
| SMD1206-100/24N   | 1.49                          | 1.33  | 1.18  | 1.00  | 0.84  | 0.75  | 0.73  | 0.59  | 0.47  |
| SMD1206-110/6N    | 1.64                          | 1.46  | 1.30  | 1.10  | 0.92  | 0.83  | 0.80  | 0.65  | 0.52  |
| SMD1206-110/8N    | 1.64                          | 1.46  | 1.30  | 1.10  | 0.92  | 0.83  | 0.80  | 0.65  | 0.52  |
| SMD1206-110/12N   | 1.64                          | 1.46  | 1.30  | 1.10  | 0.92  | 0.83  | 0.80  | 0.65  | 0.52  |
| SMD1206-110/16N   | 1.64                          | 1.46  | 1.30  | 1.10  | 0.92  | 0.83  | 0.80  | 0.65  | 0.52  |
| SMD1206-110/24N   | 1.64                          | 1.46  | 1.30  | 1.10  | 0.92  | 0.83  | 0.80  | 0.65  | 0.52  |
| SMD1206-125/6N    | 1.83                          | 1.65  | 1.43  | 1.25  | 1.09  | 0.96  | 0.87  | 0.76  | 0.60  |
| SMD1206-125/8N    | 1.83                          | 1.65  | 1.43  | 1.25  | 1.09  | 0.96  | 0.87  | 0.76  | 0.60  |
| SMD1206-150/6N    | 2.20                          | 1.99  | 1.77  | 1.50  | 1.34  | 1.23  | 1.10  | 1.01  | 0.84  |
| SMD1206-150/8N    | 2.20                          | 1.99  | 1.77  | 1.50  | 1.34  | 1.23  | 1.10  | 1.01  | 0.84  |
| SMD1206-150/12N   | 2.20                          | 1.99  | 1.77  | 1.50  | 1.34  | 1.23  | 1.10  | 1.01  | 0.84  |
| SMD1206-150/16N   | 2.20                          | 1.99  | 1.77  | 1.50  | 1.34  | 1.23  | 1.10  | 1.01  | 0.84  |
| SMD1206-175/6N    | 2.50                          | 2.25  | 2.00  | 1.75  | 1.55  | 1.45  | 1.35  | 1.25  | 1.10  |
| SMD1206-200/6N    | 2.60                          | 2.44  | 2.35  | 2.00  | 1.78  | 1.67  | 1.50  | 1.45  | 1.10  |
| SMD1206-200/10N   | 2.60                          | 2.44  | 2.35  | 2.00  | 1.78  | 1.67  | 1.50  | 1.45  | 1.10  |
| SMD1206-200/12N   | 2.60                          | 2.44  | 2.35  | 2.00  | 1.78  | 1.67  | 1.50  | 1.45  | 1.10  |

»Typical time to trip at 25°C



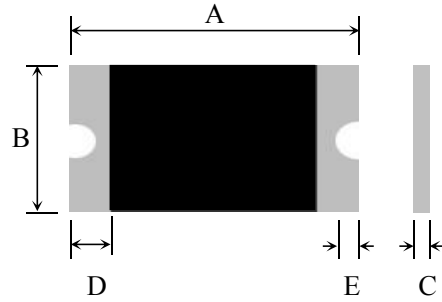
»Soldering Parameters



| Profile Feature                                 |                           | Pb-Free Assembly        |
|---|---------------------------|-------------------------|
| Average Ramp-Up Rate (TS(max) to TP)            |                           | 3°C/second max          |
| Pre Heat:                                       | Temperature Min (TS(min)) | 150°C                   |
|   | Temperature Max (TS(max)) | 200°C                   |
|   | Time (Min to Max) (ts)    | 60 – 180 secs           |
| Time Maintained Above:                          | Temperature (TL)          | 217°C                   |
|   | Temperature (tL)          | 60 – 150 seconds        |
| Peak / Classification Temperature (TP)          |                           | 260 <sup>+0/-5</sup> °C |
| Time within 5°C of actual peak Temperature (tp) |                           | 20 – 40 seconds         |
| Ramp-down Rate                                  |                           | 6°C/second max          |
| Time 25°C to peak Temperature (TP)              |                           | 8 minutes Max.          |

- ◆All temperature refer to topside of the package, measured on the package body surface
- ◆If reflow temperature exceeds the recommended profile, devices may not meet the performance requirements
- ◆Recommended reflow methods: IR, vapor phase oven, hot air oven, N2 environment for lead
- ◆Recommended maximum paste thickness is 0.25mm (0.010inch)
- ◆Devices can be cleaned using standard industry methods and solvents

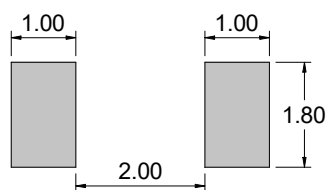
»Physical Dimensions(mm)



| Model             | A    |      | B    |      | C    |      | D    |      | E    |
|-------------------|------|------|------|------|------|------|------|------|------|
|                   | Min  | Max  | Min  | Max  | Min  | Max  | Min  | Max  | Min  |
| SMD1206-005/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-005/60N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-010/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-010/60N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-012/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-012/48N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-012/60N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-016/48N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-020/24N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-020/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-025/16N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-025/24N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-025/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-025/48N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-035/16N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-035/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-035/30SN  | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-050/6N    | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-050/8N    | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-050/16N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-050/24N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-050/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-075/8N    | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-075/13.2N | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-075/16N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-075/24N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-075/30N   | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-100/6N    | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |

| Model           | A    |      | B    |      | C    |      | D    |      | E    |
|-----------------|------|------|------|------|------|------|------|------|------|
|                 | Min  | Max  | Min  | Max  | Min  | Max  | Min  | Max  | Min  |
| SMD1206-100/8N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-100/12N | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-100/16N | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-100/24N | 3.00 | 3.40 | 1.40 | 1.80 | 0.90 | 1.30 | 0.25 | 0.75 | 0.10 |
| SMD1206-110/6N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-110/8N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-110/12N | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-110/16N | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-110/24N | 3.00 | 3.40 | 1.40 | 1.80 | 0.90 | 1.30 | 0.25 | 0.75 | 0.10 |
| SMD1206-125/6N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-125/8N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.35 | 0.85 | 0.25 | 0.75 | 0.10 |
| SMD1206-150/6N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-150/8N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-150/12N | 3.00 | 3.40 | 1.40 | 1.80 | 0.90 | 1.30 | 0.25 | 0.75 | 0.10 |
| SMD1206-150/16N | 3.00 | 3.40 | 1.40 | 1.80 | 0.90 | 1.30 | 0.25 | 0.75 | 0.10 |
| SMD1206-175/6N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-200/6N  | 3.00 | 3.40 | 1.40 | 1.80 | 0.65 | 1.15 | 0.25 | 0.75 | 0.10 |
| SMD1206-200/10N | 3.00 | 3.40 | 1.40 | 1.80 | 0.90 | 1.30 | 0.25 | 0.75 | 0.10 |
| SMD1206-200/12N | 3.00 | 3.40 | 1.40 | 1.80 | 0.90 | 1.30 | 0.25 | 0.75 | 0.10 |

»Recommended Pad Layout (mm)&Physical Specifications



|                    |  |
|--------------------|--|
| Terminal Material  | Tin-Plated Nickle-Copper (Solder Material: Matte Tin (Sn))   |
| Lead Solderability | Meets EIA Specification RS186-9E, ANSI/J-STD-002 Category 3. |

»Tape And Reel Specifications (mm)&Packaging quantity

| TAPE SPECIFICATIONS: EIA-481-1 (mm) |                  |                   |                 |                 |                 |
|-------------------------------------|------------------|-------------------|-----------------|-----------------|-----------------|
| Item                                | SMD1206-020/24N  | SMD1206-020/30N   | SMD1206-005/30N | SMD1206-005/60N | SMD1206-100/24N |
|                                     | SMD1206-025/16N  | SMD1206-025/24N   | SMD1206-010/30N | SMD1206-010/60N | SMD1206-110/24N |
|                                     | SMD1206-025/30N  | SMD1206-035/16N   | SMD1206-012/30N | SMD1206-012/48N | SMD1206-150/12N |
|                                     | SMD1206-035/30SN | SMD1206-050/6N    | SMD1206-012/60N | SMD1206-016/48N | SMD1206-150/16N |
|                                     | SMD1206-050/8N   | SMD1206-050/16N   | SMD1206-025/48N | SMD1206-035/30N | SMD1206-200/10N |
|                                     | SMD1206-075/8N   | SMD1206-075/13.2N | SMD1206-050/24N | SMD1206-050/30N | SMD1206-200/12N |
|                                     | SMD1206-100/6N   | SMD1206-100/8N    | SMD1206-075/16N | SMD1206-075/24N |                 |
|                                     | SMD1206-110/6N   | SMD1206-110/8N    | SMD1206-075/30N | SMD1206-100/12N |                 |
|                                     | SMD1206-125/6N   | SMD1206-125/8N    | SMD1206-100/16N | SMD1206-110/12N |                 |
|                                     |                  |                   | SMD1206-110/16N | SMD1206-150/6N  |                 |
|                                     |                  | SMD1206-150/8N    | SMD1206-175/6N  |                 |                 |
|                                     |                  | SMD1206-200/6N    |                 |                 |                 |
| W                                   | 8.10±0.10        |                   | 8.10±0.10       |                 | 8.10±0.10       |
| F                                   | 3.50±0.05        |                   | 3.50±0.05       |                 | 3.50±0.05       |
| E1                                  | 1.75±0.10        |                   | 1.75±0.10       |                 | 1.75±0.10       |
| D0                                  | 1.55±0.05        |                   | 1.55±0.05       |                 | 1.55±0.05       |
| D1                                  | 1.00 min         |                   | 1.00 min        |                 | 1.00 min        |
| P0                                  | 4.0±0.10         |                   | 4.0±0.10        |                 | 4.0±0.10        |
| P1                                  | 4.0±0.10         |                   | 4.0±0.10        |                 | 4.0±0.10        |
| P2                                  | 2.0±0.05         |                   | 2.0±0.05        |                 | 2.0±0.05        |
| A0                                  | 1.90±0.10        |                   | 2.00±0.10       |                 | 2.00±0.10       |
| B0                                  | 3.45±0.10        |                   | 3.50±0.10       |                 | 3.50±0.10       |
| T                                   | 0.25±0.05        |                   | 0.25±0.05       |                 | 0.25±0.05       |
| K0                                  | 0.85±0.10        |                   | 1.05±0.10       |                 | 1.30±0.10       |
| Leader                              | 390mm            |                   | 390mm           |                 | 390mm           |
| Trailer                             | 160mm            |                   | 160mm           |                 | 160mm           |
| Q'ty                                | 4,000pcs/Reel    |                   | 3,500pcs/Reel   |                 | 3,500pcs/Reel   |

| REEL DIMENSIONS: EIA-481-1 (mm) |           |
|---------------------------------|-----------|
| C                               | Ø178±1.0  |
| D                               | Ø60.2±0.5 |
| W                               | 9.0±1.5   |
| H                               | 11.0±0.5  |

