

»Performance Specification

| Model | I-hold | I-trip | Vmax | Imax | Pd typ (W) | Max. Time to trip | | R0 min (Ohm) | R1max (Ohm) |
|-------------------|--------|--------|-------|--------|---------------|-------------------|----------------|-----------------|----------------|
| | (A) | (A) | (Vdc) | (A) | | Current (A) | Time (Sec.) | | |
| | (A) | (A) | (Vdc) | (A) | | (A) | (Sec.) | | |
| 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_{max}).

I_{max}: Maximum fault current device can withstand without damage at rated voltage(V_{max}).

P_{d typ}: Typical power dissipated from device when in the tripped state at 25°C still air.

R_{0 min}: Minimum resistance of device in initial (un-soldered) state.

R_{1 max}: 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; +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. |

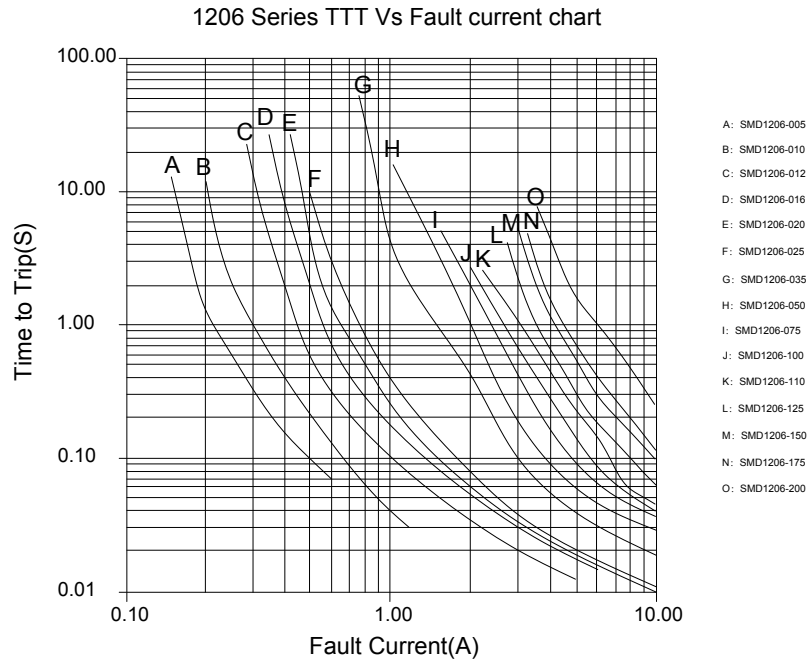
»Test Procedures And Requirements

| No. | Test | Test Conditions | Accept/Reject Criteria |
|-----|--------------------|---|---|
| 1 | R _{0 min} | Resistance measurement at 25°C | R _{0min} ≤ R ≤ R _{1max} |
| 2 | R _{1 max} | Resistance measurement one hour after post trip | R _{0min} ≤ R ≤ 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 ≤ max. time to trip (seconds) |
| 6 | Trip Cycle Life | V _{max} , I _{max} , 100 cycles | No arcing or burning |
| 7 | Trip Endurance | V _{max} , I _{max} 24 hours | No arcing or burning |
| 8 | Solderability | ANSI/J-STD-002 | 95 % min. coverage |

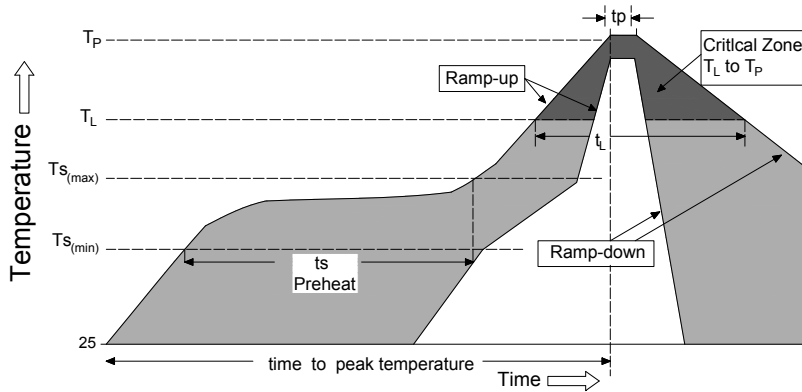
»Thermal Derating Chart Recommended Hold Current(A) at Ambient Temperature(°C)

| 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



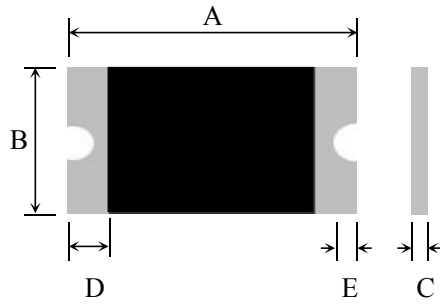
»Soldering Parameters



| Profile Feature | | Pb-Free Assembly |
|--|----------------------------------|-------------------------|
| Average Ramp-Up Rate ($T_{S(max)}$ to T_P) | | 3°C/second max |
| Pre Heat: | Temperature Min ($T_{S(min)}$) | 150°C |
| | Temperature Max ($T_{S(max)}$) | 200°C |
| | Time (Min to Max) (t_s) | 60 – 180 secs |
| Time Maintained Above: | Temperature (T_L) | 217°C |
| | Temperature (t_L) | 60 – 150 seconds |
| Peak / Classification Temperature (T_P) | | 260 ^{+0/-5} °C |
| Time within 5°C of actual peak Temperature (t_p) | | 20 – 40 seconds |
| Ramp-down Rate | | 6°C/second max |
| Time 25°C to peak Temperature (T_P) | | 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

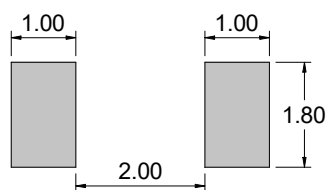
»Physical Dimensions(mm)



| 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

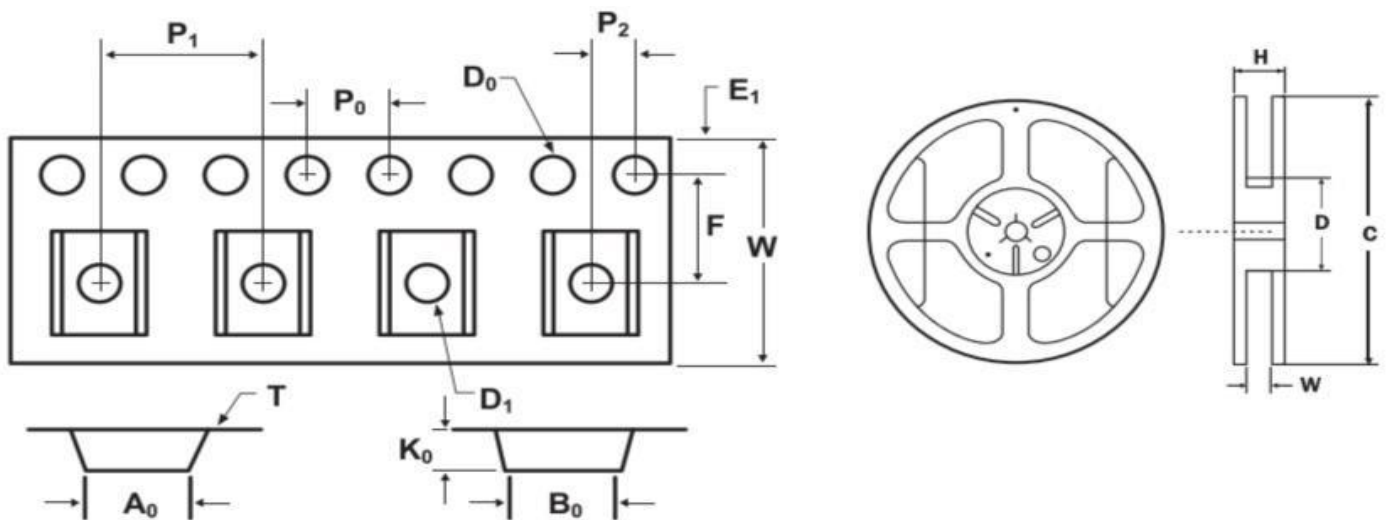


| | |
|--------------------|--|
| Terminal Material | Tin-Plated Nickel-Copper (Solder Material: Matte Tin (Sn)) |
| Lead Solderability | Meets EIA Specification RS186-9E, ANSI/J-STD-002 Category 3. |

»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 |



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