

SMD1812 E Series Surface Mount PTC Devices

Performance Specification

| Model | Marking | V _{max} (V dc) | I _{max} (A) | I _{hold} @25°C (A) | I _{trip} @25°C (A) | P _d Typ. (W) | Maximum Time To Trip | | Resistance | | 认证 |
|--------------------|---------|----------------------------|-------------------------|-----------------------------------|-----------------------------------|-------------------------------|-------------------------|---------------|---------------------------|--------------------------|----|
| | | | | | | | Current (A) | Time (Sec) | R _{i min} (Ω) | R _{1max} (Ω) | UL |
| SMD1812E010SF30V | E010 | 30.0 | 30 | 0.10 | 0.30 | 0.8 | 0.5 | 1.50 | 0.750 | 15.000 | ✓ |
| SMD1812E010SF33V | E010 | 33.0 | 30 | 0.10 | 0.30 | 0.8 | 0.5 | 1.50 | 0.750 | 15.000 | |
| SMD1812E010SF60V | E010 | 60.0 | 30 | 0.10 | 0.30 | 0.8 | 0.5 | 1.50 | 0.750 | 15.000 | ✓ |
| SMD1812E014SF33V | E014 | 33.0 | 30 | 0.14 | 0.34 | 0.8 | 1.5 | 0.15 | 0.650 | 6.000 | ✓ |
| SMD1812E014SF60V | E014 | 60.0 | 30 | 0.14 | 0.34 | 0.8 | 1.5 | 0.15 | 0.650 | 6.000 | ✓ |
| SMD1812E020SF30V | E020 | 30.0 | 30 | 0.20 | 0.40 | 0.8 | 8.0 | 0.02 | 0.350 | 5.000 | |
| SMD1812E020SF33V | E020 | 33.0 | 30 | 0.20 | 0.40 | 0.8 | 8.0 | 0.02 | 0.350 | 5.000 | |
| SMD1812E020SF60V | E020 | 60.0 | 30 | 0.20 | 0.40 | 0.8 | 8.0 | 0.02 | 0.350 | 5.000 | |
| SMD1812E030SF30V | E030 | 30.0 | 30 | 0.30 | 0.60 | 0.8 | 8.0 | 0.10 | 0.250 | 3.000 | ✓ |
| SMD1812E030SF33V | E030 | 33.0 | 30 | 0.30 | 0.60 | 0.8 | 8.0 | 0.10 | 0.250 | 3.000 | |
| SMD1812E030SF60V | E030 | 60.0 | 30 | 0.30 | 0.60 | 0.8 | 8.0 | 0.10 | 0.250 | 3.000 | |
| SMD1812E050SF15V | E050 | 15.0 | 30 | 0.50 | 1.00 | 0.8 | 8.0 | 0.15 | 0.150 | 1.000 | ✓ |
| SMD1812E050SF24V | E050 | 24.0 | 30 | 0.50 | 1.00 | 0.8 | 8.0 | 0.15 | 0.150 | 1.000 | |
| SMD1812E050SF30V | E050 | 30.0 | 30 | 0.50 | 1.00 | 0.8 | 8.0 | 0.15 | 0.150 | 1.000 | |
| SMD1812E050SF33V | E050 | 33.0 | 30 | 0.50 | 1.00 | 0.8 | 8.0 | 0.15 | 0.150 | 1.000 | |
| SMD1812E050SF60V | E050 | 60.0 | 30 | 0.50 | 1.00 | 0.8 | 8.0 | 0.15 | 0.150 | 1.400 | |
| SMD1812E075SF13.2V | E075 | 13.2 | 30 | 0.75 | 1.50 | 0.8 | 8.0 | 0.20 | 0.090 | 0.450 | ✓ |
| SMD1812E075SF24V | E075 | 24.0 | 30 | 0.75 | 1.50 | 0.8 | 8.0 | 0.20 | 0.090 | 0.450 | ✓ |
| SMD1812E075SF33V | E075 | 33.0 | 30 | 0.75 | 1.50 | 0.8 | 8.0 | 0.20 | 0.090 | 0.450 | |
| SMD1812E110SF8V | E110 | 8.0 | 35 | 1.10 | 2.20 | 0.8 | 8.0 | 0.30 | 0.045 | 0.250 | ✓ |
| SMD1812E110SF16V | E110 | 16.0 | 35 | 1.10 | 2.20 | 0.8 | 8.0 | 0.30 | 0.050 | 0.250 | ✓ |
| SMD1812E110SF24V | E110 | 24.0 | 35 | 1.10 | 2.20 | 0.8 | 8.0 | 0.30 | 0.050 | 0.250 | |
| SMD1812E110SF33V | E110 | 33.0 | 35 | 1.10 | 2.20 | 0.8 | 8.0 | 0.30 | 0.050 | 0.250 | |
| SMD1812E125SF8V | E125 | 8.0 | 35 | 1.25 | 2.50 | 0.8 | 8.0 | 0.40 | 0.050 | 0.140 | |
| SMD1812E125SF16V | E125 | 16.0 | 35 | 1.25 | 2.50 | 0.8 | 8.0 | 0.40 | 0.050 | 0.140 | ✓ |
| SMD1812E150SF8V | E150 | 8.0 | 35 | 1.50 | 3.00 | 0.8 | 8.0 | 0.50 | 0.040 | 0.160 | ✓ |
| SMD1812E150SF16V | E150 | 16.0 | 35 | 1.50 | 3.00 | 0.8 | 8.0 | 0.50 | 0.040 | 0.160 | ✓ |
| SMD1812E150SF24V | E150 | 24.0 | 35 | 1.50 | 3.00 | 0.8 | 8.0 | 0.50 | 0.040 | 0.160 | |
| SMD1812E150SF33V | E150 | 33.0 | 35 | 1.50 | 3.00 | 0.8 | 8.0 | 0.50 | 0.040 | 0.160 | |
| SMD1812E160SF8V | E160 | 8.0 | 35 | 1.60 | 2.80 | 0.8 | 8.0 | 1.00 | 0.030 | 0.130 | ✓ |
| SMD1812E160SF16V | E160 | 16.0 | 35 | 1.60 | 2.80 | 0.8 | 8.0 | 1.00 | 0.030 | 0.130 | |
| SMD1812E200SF8V | E200 | 8.0 | 35 | 2.00 | 4.00 | 0.8 | 8.0 | 2.00 | 0.020 | 0.100 | ✓ |
| SMD1812E200SF16V | E200 | 16.0 | 35 | 2.00 | 4.00 | 0.8 | 8.0 | 2.00 | 0.020 | 0.100 | |
| SMD1812E200SF24V | E200 | 24.0 | 35 | 2.00 | 4.00 | 0.8 | 8.0 | 2.00 | 0.020 | 0.100 | |
| SMD1812E200SF30V | E200 | 30.0 | 35 | 2.00 | 4.00 | 0.8 | 8.0 | 2.00 | 0.020 | 0.100 | |
| SMD1812E260SF8V | E260 | 8.0 | 35 | 2.60 | 5.00 | 0.8 | 8.0 | 2.50 | 0.010 | 0.050 | ✓ |
| SMD1812E260SF16V | E260 | 16.0 | 35 | 2.60 | 5.00 | 0.8 | 8.0 | 2.50 | 0.010 | 0.050 | |
| SMD1812E260SF24V | E260 | 24.0 | 35 | 2.60 | 5.00 | 0.8 | 8.0 | 2.50 | 0.010 | 0.050 | |
| SMD1812E300SF8V | E300 | 8.0 | 35 | 3.00 | 5.00 | 0.8 | 8.0 | 4.00 | 0.010 | 0.040 | ✓ |
| SMD1812E300SF16V | E300 | 16.0 | 35 | 3.00 | 5.00 | 0.8 | 8.0 | 4.00 | 0.010 | 0.040 | |

SMD1812 E Series Surface Mount PTC Devices

| | | | | | | | | | | |
|------------------|------|------|----|------|------|-----|------|------|-------|-------|
| SMD1812E350SF6V | E350 | 6.0 | 35 | 3.50 | 6.00 | 2.0 | 10.0 | 4.00 | 0.008 | 0.030 |
| SMD1812E350SF16V | E350 | 16.0 | 35 | 3.50 | 6.00 | 2.0 | 10.0 | 4.00 | 0.008 | 0.030 |
| SMD1812E400SF6V | E400 | 6.0 | 35 | 4.00 | 7.00 | 2.0 | 10.0 | 4.00 | 0.005 | 0.025 |
| SMD1812E400SF12V | E400 | 12.0 | 35 | 4.00 | 7.00 | 2.0 | 10.0 | 4.00 | 0.005 | 0.025 |
| SMD1812E400SF16V | E400 | 16.0 | 35 | 4.00 | 7.00 | 2.0 | 10.0 | 4.00 | 0.005 | 0.025 |

V max = Maximum operating 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).

I hold = Hold Current. Maximum current device will not trip in 25°C still air.

I trip = Trip Current. Minimum current at which the device will always trip in 25°C still air.

Pd = Power dissipation when device is in the tripped state in 25°C still air environment at rated voltage.

Ri min/max = Minimum/Maximum device resistance prior to tripping at 25°C.

R1max = Maximum device resistance is measured one hour post reflow.

CAUTION : Operation beyond the specified ratings may result in damage and possible arcing and flame.

PPTC 使用注意事项:



- PPTC 为热敏元件，对环境温度比较敏感，建议在 PPTC 周围不要设计热源元件，尽量减少外部热源的影响。
- 请在规格书规定的参数下使用，超出电压电流规格值，会导致 PPTC 出现电弧，阻值升高，甚至烧片。
- 规格书的电气特性，均是基于在保电通指定测试板经过一次回流焊之后的测试；如果客户有二次回流焊或者注塑点胶等其他热工序，会对上述参数有一定程度的衰减，需要验证其适用性。
- PPTC 贴片产品是为 SMT 工艺设计的封装形式，焊接工艺为回流焊；要求客户遵守我们推荐的焊盘布局和回流焊配置文件。不正确的电路板布局或回流配置可能会对 PPTC 的可焊性性能产生负面影响。焊接工艺可参考保电通推荐的回流焊曲线。如果回流焊温度超过推荐的值，PPTC 将有可能受到损伤。使用手工焊及波峰焊接 PPTC 可能会导致产品焊后电阻超出规格。
- 某些注塑料、单组份、双组份固化胶粘剂、硅胶、侵蚀性溶剂污染 PPTC 材料破坏芯片，需要对注塑料胶料等材料牌号以及应用参数（如温度、时间等）进行验证，以确保产品及工艺的匹配性，确认不会影响 PPTC 性能之后方可使用。PPTC 在充电线端应用中，建议使用 PP 类材料做内膜，禁止使用 TPE 类与 PVC 类等材料做内膜。
- PPTC 贴装或使用过程中，不建议使用洗板水或其他清洗剂进行清洗。如必须使用，需要验证各类清洗剂、洗板水以及溶剂的适用性，确认不会影响 PPTC 性能之后方可使用。已知对 PPTC 有影响的化学药品包括但不限于醚类、苯类、酮类以及脂类等较强溶解性、破坏性的有机化合物，清洗后将产品放置于敞开的环境中至少 24 小时，将残留的溶剂进行充分的挥发。
- 装配过程中，避免用暴力砸、挤、压、拉、扭、刺等方式作用 PPTC 本体，以免引起 PPTC 性能衰减。
- PPTC 元件是为电路中偶尔出现的过流而设计的，不建议用在连续且持续过流的电路中。
- 保电通 SMD PPTC 湿敏等级为 2 级，为密封包装。客户如在库存中发现有包装破损的，立即将产品隔离处理；使用时如有余料，需恢复之前包装状态，做密封保存，否则会影响产品性能导致焊后电阻越规格。
- 产品废弃时，可按照一般电子废弃物处理，具体材料组成可参见 MSDS

Environmental Specifications

| Test | Conditions | Resistance change |
|--|-----------------------------|-------------------|
| Passive aging | +85°C, 1000 hrs. | ±5% typical |
| Humidity aging | +85°C, 85% R.H. , 168 hours | ±5% typical |
| Thermal shock | +85°C to -40°C, 20 times | ±33% typical |
| Resistance to solvent | MIL-STD-202, Method 215 | No change |
| Vibration | MIL-STD-202, Method 201 | No change |
| Ambient operating conditions : - 40 °C to +85 °C | | |
| Maximum surface temperature of the device in the tripped state is 125 °C | | |

SMD1812 E Series Surface Mount PTC Devices

Agency Approval and Environmental Compliance

| Agency | File Number | Regulation | Standard |
|--------|-------------|---|----------------|
| UL | E524436 |  | LCS210427075AR |
| TUV | pending |  | pending |

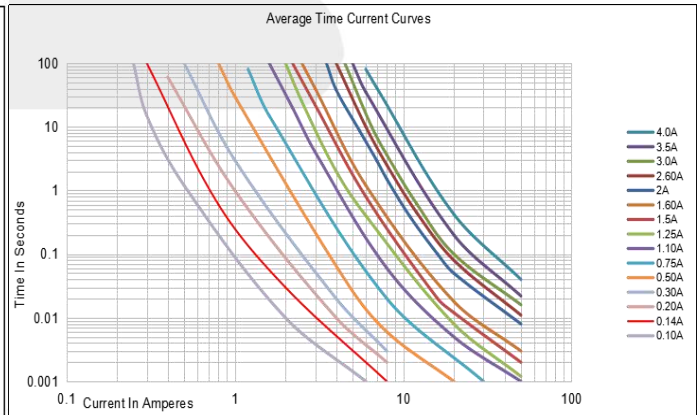
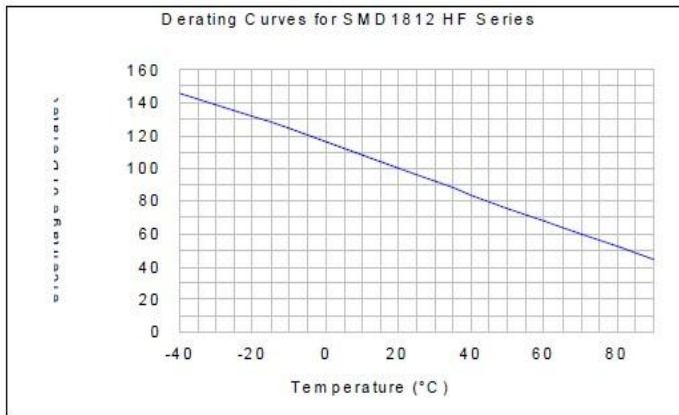
Thermal Derating Chart

Recommended Hold Current(A) at Ambient Temperature(°C)

| Model | Ambient Operation Temperature | | | | | | | | |
|---------------|-------------------------------|-------|------|------|------|------|------|------|------|
| | -40°C | -20°C | 0°C | 25°C | 40°C | 50°C | 60°C | 70°C | 85°C |
| SMD1812E010SF | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.07 | 0.06 | 0.05 | 0.03 |
| SMD1812E014SF | 0.23 | 0.19 | 0.17 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | 0.06 |
| SMD1812E020SF | 0.29 | 0.26 | 0.23 | 0.20 | 0.17 | 0.15 | 0.14 | 0.12 | 0.10 |
| SMD1812E030SF | 0.44 | 0.39 | 0.35 | 0.30 | 0.26 | 0.23 | 0.21 | 0.18 | 0.15 |
| SMD1812E050SF | 0.59 | 0.57 | 0.55 | 0.50 | 0.45 | 0.43 | 0.35 | 0.30 | 0.23 |
| SMD182E075SF | 1.10 | 0.99 | 0.87 | 0.75 | 0.63 | 0.57 | 0.49 | 0.45 | 0.35 |
| SMD1812E110SF | 1.60 | 1.45 | 1.28 | 1.10 | 0.92 | 0.83 | 0.71 | 0.66 | 0.52 |
| SMD1812E125SF | 2.00 | 1.75 | 1.52 | 1.25 | 1.00 | 0.95 | 0.90 | 0.75 | 0.53 |
| SMD1812E150SF | 2.10 | 1.96 | 1.77 | 1.50 | 1.23 | 1.09 | 0.95 | 0.82 | 0.61 |
| SMD1812E160SF | 2.30 | 2.05 | 1.88 | 1.60 | 1.26 | 1.12 | 0.98 | 0.84 | 0.63 |
| SMD1812E200SF | 2.88 | 2.61 | 2.25 | 2.00 | 1.80 | 1.66 | 1.45 | 1.09 | 0.80 |
| SMD1812E260SF | 3.90 | 3.42 | 2.96 | 2.60 | 2.33 | 2.07 | 1.94 | 1.35 | 1.00 |
| SMD1812E300SF | 4.15 | 3.76 | 3.46 | 3.00 | 2.55 | 2.28 | 2.01 | 1.61 | 1.33 |
| SMD1812E350SF | 4.84 | 4.39 | 4.04 | 3.50 | 2.98 | 2.66 | 2.35 | 1.88 | 1.55 |
| SMD1812E400SF | 5.80 | 5.20 | 4.60 | 4.00 | 3.35 | 3.12 | 2.75 | 2.45 | 2.10 |

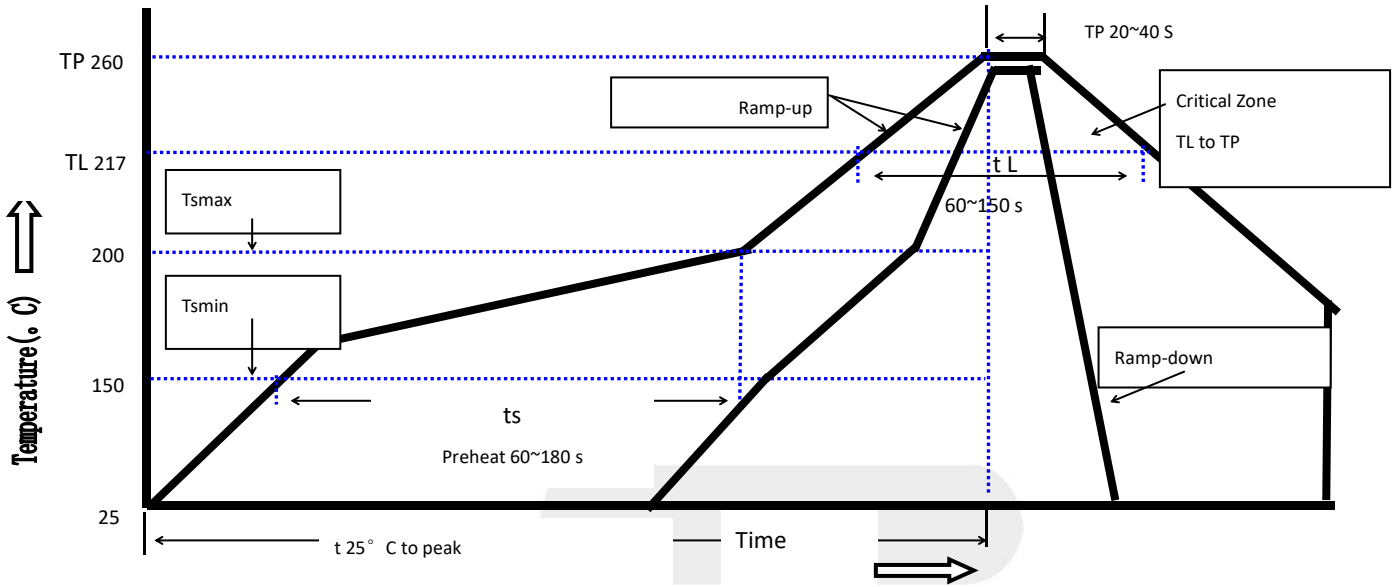
Thermal Derating Curve

Average Time-Current Curve



SMD1812 E Series Surface Mount PTC Devices

Soldering Parameters



| | |
|-------------------------------------|--------------------|
| Profile Feature | Pb-Free Assembly |
| Average Ramp-Up Rate(Ts max to T p) | 3°C/second mac. |
| Preheat | |
| -Temperature Min(Ts min) | 150°C |
| -Temperature Max(Ts max) | 200°C |
| -Time(Ts min to Ts max) | 60~180 seconds |
| Time maintained above: | |
| -Temperature(TL) | 217°C |
| -Time(tL) | 60~150 seconds |
| Peak Temperature(Tp) | 260°C |
| Ramp-Down Rate | 6°C/second max. |
| Time 25°C to Peak Temperature | 8 minutes max |
| Storage Condition | 0°C~30°C,30%-60%RH |

Recommended reflow methods: IR, vapor phase oven, hot air oven, N2 environment for lead-free

Recommended maximum paste thickness is 0.25mm

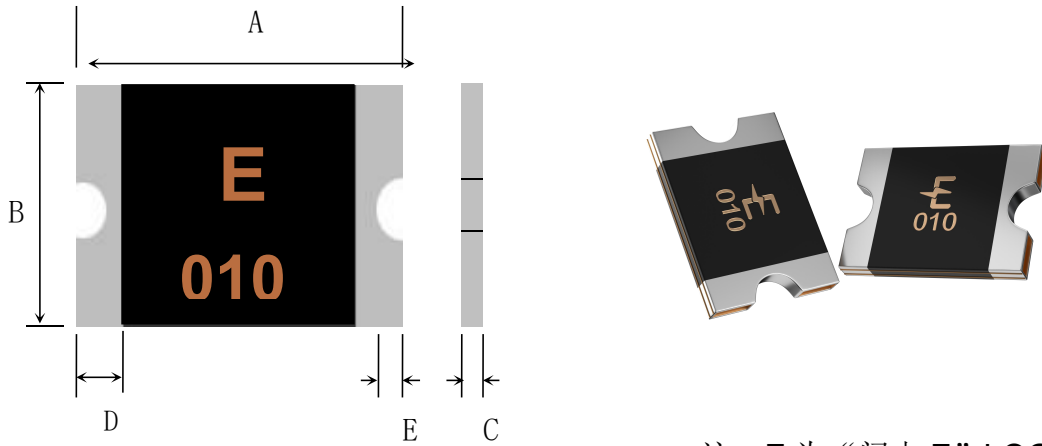
Devices can be cleaned using standard industry methods and solvents.

Note 1:All temperature refer to topside of the package, measured on the package body surface.

Note 2: If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.

SMD1812 E Series Surface Mount PTC Devices

Physical Dimensions(mm.)



注：E 为“闪电 E” LOGO

| Model | A | | B | | C | | D | E |
|--------------------|------|------|------|------|------|------|------|------|
| | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Min. |
| SMD1812RE010SF30V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E010SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E010SF60V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E014SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E014SF60V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E020SF30V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E020SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E020SF60V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E030SF30V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E030SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E030SF60V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E050SF15V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E050SF24V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E050SF30V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E050SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E050SF60V | 4.37 | 4.73 | 3.07 | 3.41 | 0.60 | 1.50 | 0.30 | 0.25 |
| SMD1812E075SF13.2V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E075SF24V | 4.37 | 4.73 | 3.07 | 3.41 | 0.60 | 1.30 | 0.30 | 0.25 |
| SMD1812E075SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.60 | 1.30 | 0.30 | 0.25 |
| SMD1812E110SF8V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E110SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E110SF24V | 4.37 | 4.73 | 3.07 | 3.41 | 0.60 | 1.30 | 0.30 | 0.25 |
| SMD1812E10SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.60 | 1.30 | 0.30 | 0.25 |
| SMD1812E125SF8V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E125SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.40 | 1.00 | 0.30 | 0.25 |
| SMD1812E150SF8V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E150SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E150SF24V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E150SF33V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E160SF8V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |

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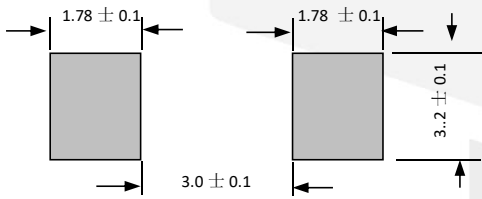
| | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|
| SMD1812E160SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E200SF8V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E200SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.50 | 1.10 | 0.30 | 0.25 |
| SMD1812E200SF24V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E200SF30V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E260SF8V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E260SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E260SF24V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E300SF8V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E300SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E350SF6V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E350SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E400SF6V | 4.37 | 4.73 | 3.07 | 3.41 | 0.80 | 1.50 | 0.30 | 0.25 |
| SMD1812E400SF12V | 4.37 | 4.73 | 3.07 | 3.41 | 1.00 | 1.80 | 0.30 | 0.25 |
| SMD1812E400SF16V | 4.37 | 4.73 | 3.07 | 3.41 | 1.00 | 1.80 | 0.30 | 0.25 |

Termination Pad Characteristics

Terminal pad materials: Tin-plated Nickel-Copper

Terminal pad solder ability: Meets EIA specification RS186-9E and ANSI/J-STD-002 Category 3.

Recommended Pad Layout (mm.)



Packaging Quantity

| Part Number | Quantity |
|----------------|------------------------|
| SMD1812 Series | 1,500 or 2,000pcs/reel |

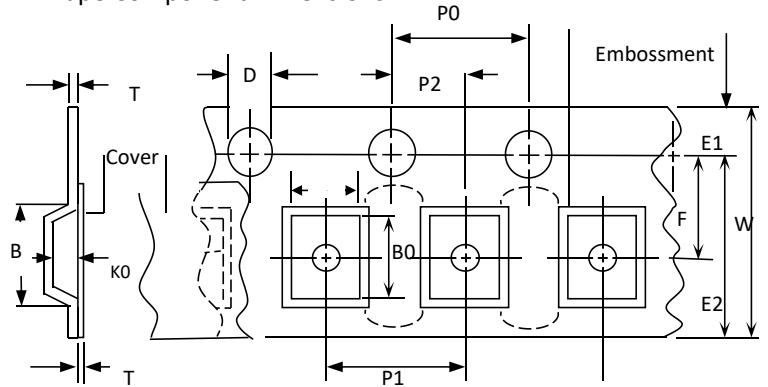
Tape & reel packaging per EIA481-1

SMD1812 E Series Surface Mount PTC Devices

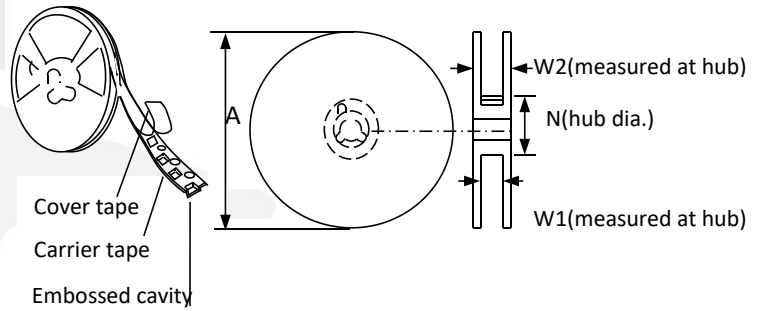
Tape And Reel Specifications (mm)

| Governing Specifications | |
|--------------------------|----------------|
| Specifications | EIA 481-1 |
| W | 12 ± 0.3 |
| P0 | 4.0 ± 0.10 |
| P1 | 8.0 ± 0.10 |
| P2 | 2.0 ± 0.05 |
| A0 | 3.5 ± 0.10 |
| B0 | 5.1 ± 0.10 |
| B1max. | 5.9 |
| D0 | 1.50 + 0.1, -0 |
| F | 5.5 ± 0.05 |
| E1 | 1.75 ± 0.10 |
| E2min. | 10.25 |
| T | 0.6 |
| T1max. | 0.1 |
| K0 | 0.9 ± 0.1 |
| Leader min. | 390 |
| Trailer min. | 160 |
| Reel Dimensions | |
| A max. | 178 |
| N min. | 60 |
| W1 | 12.4 ± 0.5 |
| W2 | 18.4 |

EIA Tape Component Dimensions



EIA Reel Dimensions



Storage And Handling

- Storage conditions: 0°C~30°C, 30%~60% R.H.
- Devices may not meet specified performance if storage conditions are exceeded.

Part Number System

SMD 1812 E □□□ S F □□ V

