

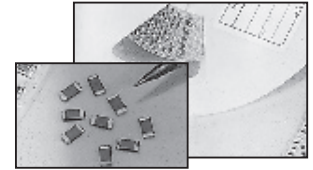
FEATURES

- HIGH VOLTAGE 200Vdc ~ 5KVdc
- NPO AND X7R DIELECTRICS
- CASE SIZES FROM 0402 ~ 2225
- NICKEL BARRIER TERMINATION AND EXCELLENT MECHANICAL STRENGTH

RoHS Compliant

Includes all homogeneous materials

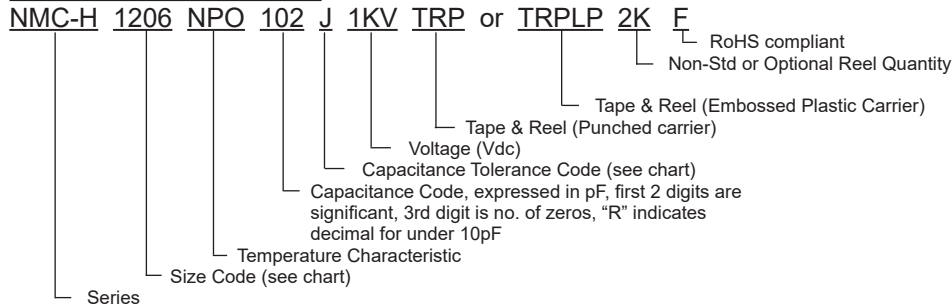
*See Part Number System for Details



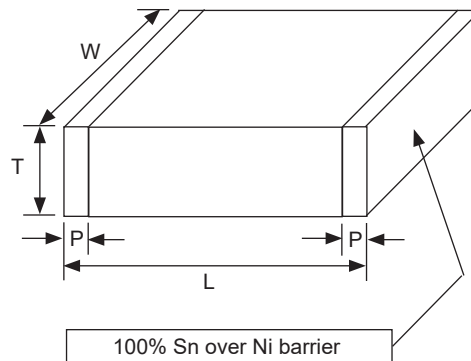
| SPECIFICATIONS | NPO | X7R |
|---------------------------------|--|-------------------------|
| Operating Temperature Range | -55°C ~ +125°C | -55°C ~ +125°C |
| Temperature Characteristic | ±30ppm | ±15% |
| Dissipation Factor | ≤ 0.1% | ≤ 2.5% |
| Insulation Resistance | ≥ 500MegΩ or 500MegΩ·μF whichever is less Test Method: Voltage rating ≤ 500V measured after 1 minute at rated voltage, Voltage rating > 500V measured after 1 minute at 500V | |
| Capacitance Range | 0.1pF ~ 0.039μF | 100pF ~ 2.2μF |
| Capacitance Tolerance | ±0.1pF(B), ±0.25pF(C), ±0.5pF(D) ±1%(F), ±2%(G), ±5%(J), ±10%(K), ±20(M) Contact NIC for Available Tolerances on Specific Capacitance Values | ±5%(J), ±10%(K), ±20(M) |
| Rated Voltage | 200Vdc ~ 5KVdc | 200Vdc ~ 4KVdc |
| Dielectric Withstanding Voltage | Working Voltage 200 & 250Vdc x 1.5 + 100Vdc for 5 seconds Working Voltage 500Vdc x 1.5 for 5 seconds Working Voltage greater than 500Vdc x 1.2 for 5 seconds | |
| Test Conditions (C & DF) | C ≤ 1000pF = 1MHz, 1Vrms @ 25°C C > 1000pF = 1KHz, 1Vrms @ 25°C | 1KHz, 1Vrms @ 25°C |

Note: Reflow soldering allowed for all case sizes. Contact NIC for wave soldering restrictions.

PART NUMBER SYSTEM



CONSTRUCTION



NPO-HIGH VOLTAGE SIZE CHART (mm)

| EIA Case Size | 0402 | | 0603 | | 0805 | | | | 1206 | | | | | 1210 | | | | | | | |
|-----------------------|-----------------------|-----|-------------|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-----|-------------|----|----|-----|-----|-----|-----|-----|
| Length (L) | 1.0 ± 0.05 | | 1.6 ± 0.15 | | 2.0 ± 0.20 | | | | 3.2 ± 0.30 | | | | | 3.2 ± 0.30 | | | | | | | |
| Width (W) | 0.5 ± 0.05 | | 0.80 ± 0.15 | | 1.25 ± 0.20 | | | | 1.6 ± 0.20 | | | | | 2.5 ± 0.20 | | | | | | | |
| Thickness (T) | 0.55 max. | | 0.95 max. | | 1.45 max. | | | | 1.80 max. | | | | | 2.60 max. | | | | | | | |
| Termination Width (P) | 0.15 ~ 0.30 | | 0.25 ~ 0.65 | | 0.25 ~ 0.75 | | | | 0.25 ~ 0.80 | | | | | 0.25 ~ 1.00 | | | | | | | |
| Capacitance | Working Voltage (Vdc) | | | | | | | | | | | | | | | | | | | | |
| | 200 | 250 | 200 | 250 | 200 | 250 | 500 | 630 | 1KV | 200 | 250 | 500 | 630 | 1K | 2K | 3K | 200 | 250 | 500 | 1KV | 2KV |
| 0.1pF ~ 0.39pF | | | | | | | | | | | | | | | | | | | | | |
| 0.47 | | | | | | | | | | | | | | | | | | | | | |
| 0.5pF ~ 1.0pF | | | | | | | | | | | | | | | | | | | | | |
| 1.5pF | | | | | | | | | | | | | | | | | | | | | |
| 2.0pF ~ 2.7pF | | | | | | | | | | | | | | | | | | | | | |
| 3.3pF ~ 8.2pF | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | |
| 47 | | | | | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | | | | | | | | | |
| 560 | | | | | | | | | | | | | | | | | | | | | |
| 680 | | | | | | | | | | | | | | | | | | | | | |
| 820 | | | | | | | | | | | | | | | | | | | | | |
| 0.001μF | | | | | | | | | | | | | | | | | | | | | |
| 0.0012 | | | | | | | | | | | | | | | | | | | | | |
| 0.0015 | | | | | | | | | | | | | | | | | | | | | |
| 0.0018 | | | | | | | | | | | | | | | | | | | | | |
| 0.0022 | | | | | | | | | | | | | | | | | | | | | |
| 0.0027 | | | | | | | | | | | | | | | | | | | | | |
| 0.0033 | | | | | | | | | | | | | | | | | | | | | |
| 0.0039 | | | | | | | | | | | | | | | | | | | | | |
| 0.0047 | | | | | | | | | | | | | | | | | | | | | |
| 0.0068 | | | | | | | | | | | | | | | | | | | | | |
| 0.0082 | | | | | | | | | | | | | | | | | | | | | |
| 0.01 | | | | | | | | | | | | | | | | | | | | | |
| 0.012 | | | | | | | | | | | | | | | | | | | | | |
| 0.015 | | | | | | | | | | | | | | | | | | | | | |
| 0.018 | | | | | | | | | | | | | | | | | | | | | |
| 0.022 | | | | | | | | | | | | | | | | | | | | | |

NPO-HIGH VOLTAGE SIZE CHART (mm)

| EIA Case Size | 1808 | | | | | | 1812 | | | | | | 1825 | | | 2220 | | | 2225 | | |
|-----------------------|-----------------------|-----|-----|----|----|----|-------------|-----|-----|-----|----|----|-------------|-----|-----|-------------|----|-----|-------------|----|--|
| Length (L) | 4.6 ± 0.50 | | | | | | 4.6 ± 0.30 | | | | | | 4.6 ± 0.30 | | | 5.7 ± 0.40 | | | 5.70 ± 0.40 | | |
| Width (W) | 2.0 ± 0.30 | | | | | | 3.2 ± 0.30 | | | | | | 6.35 ± 0.40 | | | 5.00 ± 0.40 | | | 6.35 ± 0.40 | | |
| Thickness (T) | 2.20 max. | | | | | | 3.00 max. | | | | | | 3.00 max. | | | 3.00 max. | | | 3.00 max. | | |
| Termination Width (P) | 0.25 ~ 0.75 | | | | | | 0.25 ~ 0.75 | | | | | | 0.3 ~ 1.05 | | | 0.30 ~ 1.10 | | | 0.30 ~ 1.10 | | |
| Capacitance | Working Voltage (Vdc) | | | | | | | | | | | | | | | | | | | | |
| | 250 | 500 | 630 | 1K | 2K | 3K | 200 | 250 | 500 | 630 | 1K | 2K | 3K | 250 | 500 | 1K | 5K | 250 | 500 | 1K | |
| 1.8pF | | | | | | | | | | | | | | | | | | | | | |
| 2.0pF ~ 8.2pF | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | |
| 47 | | | | | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | | | | | | | | | |
| 560 | | | | | | | | | | | | | | | | | | | | | |
| 680 | | | | | | | | | | | | | | | | | | | | | |
| 820 | | | | | | | | | | | | | | | | | | | | | |
| 0.001µF | | | | | | | | | | | | | | | | | | | | | |
| 0.0012 | | | | | | | | | | | | | | | | | | | | | |
| 0.0015 | | | | | | | | | | | | | | | | | | | | | |
| 0.0018 | | | | | | | | | | | | | | | | | | | | | |
| 0.0022 | | | | | | | | | | | | | | | | | | | | | |
| 0.0027 | | | | | | | | | | | | | | | | | | | | | |
| 0.0033 | | | | | | | | | | | | | | | | | | | | | |
| 0.0039 | | | | | | | | | | | | | | | | | | | | | |
| 0.0047 | | | | | | | | | | | | | | | | | | | | | |
| 0.0056 | | | | | | | | | | | | | | | | | | | | | |
| 0.0068 | | | | | | | | | | | | | | | | | | | | | |
| 0.0082 | | | | | | | | | | | | | | | | | | | | | |
| 0.01µF | | | | | | | | | | | | | | | | | | | | | |
| 0.012 | | | | | | | | | | | | | | | | | | | | | |
| 0.015 | | | | | | | | | | | | | | | | | | | | | |
| 0.018 | | | | | | | | | | | | | | | | | | | | | |
| 0.022 | | | | | | | | | | | | | | | | | | | | | |
| 0.027 | | | | | | | | | | | | | | | | | | | | | |
| 0.033 | | | | | | | | | | | | | | | | | | | | | |
| 0.039 | | | | | | | | | | | | | | | | | | | | | |

X7R-HIGH VOLTAGE SIZE CHART (mm)

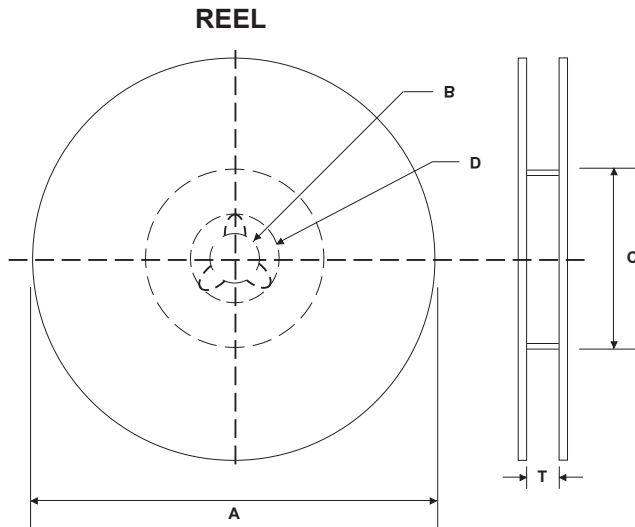
| EIA Case Size | 0603 | | 0805 | | | | 1206 | | | | | | | | | |
|-----------------------|-----------------------|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-----|-----|----|------|----|------|
| Length (L) | 1.60 ± 0.15 | | 2.0 ± 0.20 | | | | 3.2 ± 0.30 | | | | | | | | | |
| Width (W) | 0.80 ± 0.15 | | 1.25 ± 0.20 | | | | 1.6 ± 0.20 | | | | | | | | | |
| Thickness (T) | 0.80 ± 0.15 | | 1.45 max. | | | | 1.80 max. | | | | | | | | | |
| Termination Width (P) | 0.20 min. | | 0.25 ~ 0.75 | | | | 0.25 ~ 0.75 | | | | | | | | | |
| Capacitance | Working Voltage (Vdc) | | | | | | | | | | | | | | | |
| | 200 | 250 | 200 | 250 | 500 | 630 | 200 | 250 | 400 | 450 | 500 | 630 | 1K | 1.5K | 2K | 2.5K |
| 100pF | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | | | | |
| 560 | | | | | | | | | | | | | | | | |
| 680 | | | | | | | | | | | | | | | | |
| 820 | | | | | | | | | | | | | | | | |
| 0.001µF | | | | | | | | | | | | | | | | |
| 0.0012 | | | | | | | | | | | | | | | | |
| 0.0015 | | | | | | | | | | | | | | | | |
| 0.0018 | | | | | | | | | | | | | | | | |
| 0.0022 | | | | | | | | | | | | | | | | |
| 0.0027 | | | | | | | | | | | | | | | | |
| 0.0033 | | | | | | | | | | | | | | | | |
| 0.0039 | | | | | | | | | | | | | | | | |
| 0.0047 | | | | | | | | | | | | | | | | |
| 0.0056 | | | | | | | | | | | | | | | | |
| 0.0068 | | | | | | | | | | | | | | | | |
| 0.0082 | | | | | | | | | | | | | | | | |
| 0.01µF | | | | | | | | | | | | | | | | |
| 0.012 | | | | | | | | | | | | | | | | |
| 0.015 | | | | | | | | | | | | | | | | |
| 0.018 | | | | | | | | | | | | | | | | |
| 0.022 | | | | | | | | | | | | | | | | |
| 0.027 | | | | | | | | | | | | | | | | |
| 0.033 | | | | | | | | | | | | | | | | |
| 0.039 | | | | | | | | | | | | | | | | |
| 0.047 | | | | | | | | | | | | | | | | |
| 0.056 | | | | | | | | | | | | | | | | |
| 0.068 | | | | | | | | | | | | | | | | |
| 0.082 | | | | | | | | | | | | | | | | |
| 0.1µF | | | | | | | | | | | | | | | | |
| 0.12 | | | | | | | | | | | | | | | | |
| 0.15 | | | | | | | | | | | | | | | | |
| 0.18 | | | | | | | | | | | | | | | | |
| 0.22 | | | | | | | | | | | | | | | | |

X7R-HIGH VOLTAGE SIZE CHART (mm)

| EIA Case Size | 1210 | | | | | | | | | | 1808 | | | | | | | |
|-----------------------|-----------------------|-----|-----|-----|-----|-----|----|------|----|-----|-----------|-----|----|------|----|----|----|--|
| Length (L) | 3.2 ± 0.20 | | | | | | | | | | 4.6 ± 0.5 | | | | | | | |
| Width (W) | 2.5 ± 0.20 | | | | | | | | | | 2.0 ± 0.3 | | | | | | | |
| Thickness (T) | 2.20 max. | | | | | | | | | | 2.20 max. | | | | | | | |
| Termination Width (P) | 0.25 ~ 0.75 | | | | | | | | | | 0.25 min. | | | | | | | |
| Capacitance | Working Voltage (Vdc) | | | | | | | | | | | | | | | | | |
| | 200 | 250 | 400 | 450 | 500 | 630 | 1K | 1.5K | 2K | 250 | 500 | 630 | 1K | 1.5K | 2K | 3K | 4K | |
| 100pF | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | | | | | | |
| 560 | | | | | | | | | | | | | | | | | | |
| 680 | | | | | | | | | | | | | | | | | | |
| 820 | | | | | | | | | | | | | | | | | | |
| 0.001µF | | | | | | | | | | | | | | | | | | |
| 0.0012 | | | | | | | | | | | | | | | | | | |
| 0.0015 | | | | | | | | | | | | | | | | | | |
| 0.0018 | | | | | | | | | | | | | | | | | | |
| 0.0022 | | | | | | | | | | | | | | | | | | |
| 0.0027 | | | | | | | | | | | | | | | | | | |
| 0.0033 | | | | | | | | | | | | | | | | | | |
| 0.0039 | | | | | | | | | | | | | | | | | | |
| 0.0047 | | | | | | | | | | | | | | | | | | |
| 0.0056 | | | | | | | | | | | | | | | | | | |
| 0.0068 | | | | | | | | | | | | | | | | | | |
| 0.0082 | | | | | | | | | | | | | | | | | | |
| 0.01µF | | | | | | | | | | | | | | | | | | |
| 0.012 | | | | | | | | | | | | | | | | | | |
| 0.015 | | | | | | | | | | | | | | | | | | |
| 0.018 | | | | | | | | | | | | | | | | | | |
| 0.022 | | | | | | | | | | | | | | | | | | |
| 0.027 | | | | | | | | | | | | | | | | | | |
| 0.033 | | | | | | | | | | | | | | | | | | |
| 0.039 | | | | | | | | | | | | | | | | | | |
| 0.047 | | | | | | | | | | | | | | | | | | |
| 0.056 | | | | | | | | | | | | | | | | | | |
| 0.068 | | | | | | | | | | | | | | | | | | |
| 0.082 | | | | | | | | | | | | | | | | | | |
| 0.1µF | | | | | | | | | | | | | | | | | | |
| 0.12 | | | | | | | | | | | | | | | | | | |
| 0.15 | | | | | | | | | | | | | | | | | | |
| 0.18 | | | | | | | | | | | | | | | | | | |
| 0.22 | | | | | | | | | | | | | | | | | | |
| 0.27 | | | | | | | | | | | | | | | | | | |
| 0.33 | | | | | | | | | | | | | | | | | | |
| 0.47 | | | | | | | | | | | | | | | | | | |
| 0.56 | | | | | | | | | | | | | | | | | | |
| 0.68 | | | | | | | | | | | | | | | | | | |

X7R-HIGH VOLTAGE SIZE CHART (mm)

| EIA Case Size | 1812 | | | | | 1825 | | | | 2220 | | | | 2225 | | | | | | |
|-----------------------|-----------------------|-----|-----|-----|-----|-----------|------|----|----|-------------|-----|-----|-----|-------------|-----|----|----|-----|-----|----|
| Length (L) | 4.6 ± 0.5 | | | | | 4.6 ± 0.5 | | | | 5.7 ± 0.40 | | | | 5.70 ± 0.40 | | | | | | |
| Width (W) | 3.2 ± 0.4 | | | | | 6.3 ± 0.4 | | | | 5.00 ± 0.40 | | | | 6.35 ± 0.40 | | | | | | |
| Thickness (T) | 3.10 max. | | | | | 2.20 max. | | | | 3.00 max. | | | | 3.00 max. | | | | | | |
| Termination Width (P) | 0.30 min. | | | | | 0.25 min. | | | | 0.30 ~ 1.10 | | | | 0.30 ~ 1.10 | | | | | | |
| Capacitance | Working Voltage (Vdc) | | | | | | | | | | | | | | | | | | | |
| | 200 | 250 | 450 | 500 | 630 | 1K | 1.5K | 2K | 3K | 4K | 250 | 500 | 250 | 500 | 630 | 1K | 2K | 250 | 500 | 1K |
| 270pF | | | | | | | | | | | | | | | | | | | | |
| 330 | | | | | | | | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | | | | | | | | |
| 560 | | | | | | | | | | | | | | | | | | | | |
| 680 | | | | | | | | | | | | | | | | | | | | |
| 820 | | | | | | | | | | | | | | | | | | | | |
| 0.001µF | | | | | | | | | | | | | | | | | | | | |
| 0.0012 | | | | | | | | | | | | | | | | | | | | |
| 0.0015 | | | | | | | | | | | | | | | | | | | | |
| 0.0018 | | | | | | | | | | | | | | | | | | | | |
| 0.0022 | | | | | | | | | | | | | | | | | | | | |
| 0.0027 | | | | | | | | | | | | | | | | | | | | |
| 0.0033 | | | | | | | | | | | | | | | | | | | | |
| 0.0039 | | | | | | | | | | | | | | | | | | | | |
| 0.0047 | | | | | | | | | | | | | | | | | | | | |
| 0.0056 | | | | | | | | | | | | | | | | | | | | |
| 0.0068 | | | | | | | | | | | | | | | | | | | | |
| 0.0082 | | | | | | | | | | | | | | | | | | | | |
| 0.01µF | | | | | | | | | | | | | | | | | | | | |
| 0.012 | | | | | | | | | | | | | | | | | | | | |
| 0.015 | | | | | | | | | | | | | | | | | | | | |
| 0.018 | | | | | | | | | | | | | | | | | | | | |
| 0.022 | | | | | | | | | | | | | | | | | | | | |
| 0.027 | | | | | | | | | | | | | | | | | | | | |
| 0.033 | | | | | | | | | | | | | | | | | | | | |
| 0.039 | | | | | | | | | | | | | | | | | | | | |
| 0.047 | | | | | | | | | | | | | | | | | | | | |
| 0.056 | | | | | | | | | | | | | | | | | | | | |
| 0.068 | | | | | | | | | | | | | | | | | | | | |
| 0.082 | | | | | | | | | | | | | | | | | | | | |
| 0.1µF | | | | | | | | | | | | | | | | | | | | |
| 0.12 | | | | | | | | | | | | | | | | | | | | |
| 0.15 | | | | | | | | | | | | | | | | | | | | |
| 0.18 | | | | | | | | | | | | | | | | | | | | |
| 0.22 | | | | | | | | | | | | | | | | | | | | |
| 0.27 | | | | | | | | | | | | | | | | | | | | |
| 0.33 | | | | | | | | | | | | | | | | | | | | |
| 0.39 | | | | | | | | | | | | | | | | | | | | |
| 0.47 | | | | | | | | | | | | | | | | | | | | |
| 0.56 | | | | | | | | | | | | | | | | | | | | |
| 0.68 | | | | | | | | | | | | | | | | | | | | |
| 0.82 | | | | | | | | | | | | | | | | | | | | |
| 1.0µF | | | | | | | | | | | | | | | | | | | | |
| 1.5 | | | | | | | | | | | | | | | | | | | | |
| 2.2 | | | | | | | | | | | | | | | | | | | | |



REEL DIMENSIONS (mm)

| Reel Diameter (A) | B | C | D | T max. |
|-------------------|----------|-----------|----------|---|
| 7" (178 ± 2.0) | 13 ± 0.5 | 50 min. | 21 ± 1.0 | 8.4 +1.0/-0 (1812 case size 12.4 +2.0/-0) |
| 10" (250 ± 2.0) | | 100 ± 1.0 | | |
| 13" (330 ± 2.0) | | 100 ± 1.0 | | |

7 INCH REEL QUANTITIES*

| Size | 01005 | 0201 | 0402 | 0603 | 0805 | 1206 | 1210 | 1808 | 1812 |
|-------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Tape Size | 8mm | 8mm | 8mm | 8mm | 8mm | 8mm | 8mm | 12mm | 12mm |
| Min. Qty Per Reel | 20,000 | 20,000 | 10,000 | 4,000 | 4,000 | 3,000 | 2,000 | 1,000 | 1,000 |
| Max. Qty Per Reel | 20,000 | 20,000 | 10,000 | 4,000 | 5,000 | 5,000 | 5,000 | 3,000 | 2,000 |

*Quantity dependent on chip thickness. Contact NIC for reel quantities on larger diameter reels.

CARRIER TAPE MATERIAL

Parts with a thickness of $\geq 1\text{mm}$ will be taped on embossed plastic carrier. Parts with a thickness of less than 1mm will be taped on paper carrier

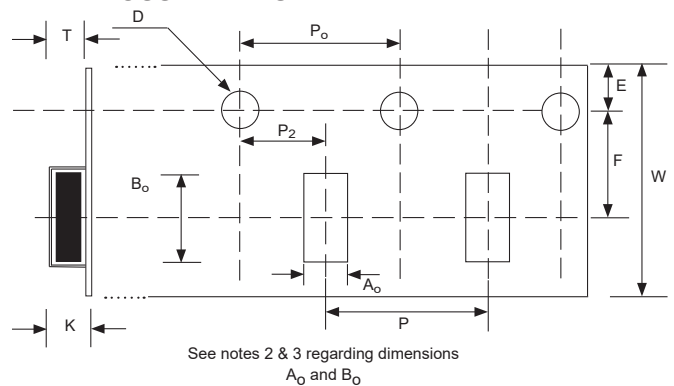
EMBOSSED PLASTIC CARRIER TAPE DIMENSIONS (mm)

| Tape Size | W | F | E | P ₀ | P ₂ | D | K max. | T max. | P |
|-----------|-----------|------------|-------------|----------------|----------------|-------------------------------------|--------|--------|-----------|
| 8mm | 8.0 ± 0.2 | 3.5 ± 0.05 | 1.75 ± 0.10 | 4.0 ± 0.1 | 2.0 ± 0.5 | 1.5 ^{+0.1} _{-0.0} | 3.0 | 2.0 | 4.0 ± 0.1 |
| 12mm | 12 ± 0.2 | 5.5 ± 0.05 | | | | | | 4.5 | 8.0 ± 0.1 |

Notes:

- Specifications are in compliance with EIA RS481-1-A "Taping of surface Mount Components for Automatic Placement"
- Dimensions A₀ (max.) equals component width dimension plus 0.5mm
- Dimension B₀ (max.) equals component length dimension plus 0.5mm

EMBOSSED PLASTIC CARRIER TAPE



PUNCHED CARRIER TAPE DIMENSIONS (mm)

| Type | A ₀ | B ₀ | W | F | E | P1 | P0 | D0 | T1 max. | T2 max. | Mounting Hole |
|-------|----------------|----------------|-----------|------------|------------|------------|-----------|-------------------------------------|---------|---------|--------------------|
| 01005 | 0.25 ± 0.04 | 0.45 ± 0.04 | 8.0 ± 0.3 | 3.5 ± 0.05 | 1.75 ± 0.1 | 2.0 ± 0.05 | 4.0 ± 0.1 | 1.5 ^{+0.1} _{-0.0} | 0.27 | 0.36 | Angular Punch Hole |
| 0201 | 0.37 ± 0.03 | 0.67 ± 0.05 | | | | | | | 0.45 | 0.80 | |
| 0402 | 0.65 ± 0.05 | 1.15 ± 0.05 | | | | 4.0 ± 0.10 | | | 1.1 | 1.4 | |
| 0603 | 1.1 ± 0.2 | 1.9 ± 0.2 | | | | | | | | | |
| 0805 | 1.65 ± 0.2 | 2.4 ± 0.2 | | | | | | | | | |
| 1206 | 2.0 ± 0.2 | 3.6 ± 0.2 | | | | | | | | | |

PUNCHED CARRIER TAPE

