FEATURES

- STANDARD EIA 0805 & 1206 PACKAGING
- EACH COMPONENT CONTAINS 4 ISOLATED CERAMIC CAPACITORS
- AVAILABLE IN A WIDE RANGE OF VALUES AND TEMPERATURE COEFFICIENTS





| SPECIFICATIONS | NPO | X7R | X5R | Y5V |
|--|--------------------|--------------------|-------------------|-----------------------------|
| OPERATING TEMPERATURE | -55°C~ +125°C | -55°C~ +125°C | -55°C~ +85°C | -30°C~ +85°C |
| CAPACITANCE RANGE | 10pF ~ 470pF | 180pF ~ 0.47μF | 0.1μF | $0.01 \mu F \sim 0.1 \mu F$ |
| VOLTAGE RANGE | 16, 25, 50 &100Vdc | 10, 16, 25 & 50Vdc | 16Vdc | 16, 25 & 50Vdc |
| CAPACITANCE TOLERANCE | ±5% (J), ±10%(K) | ±10%(K), ±20%(M) | ±10%(K), ±20%(M) | +80%/-20% (Z) |
| TEMPERATURE CHARACTERISTICS | 0±30ppm | ±15% | ±15% | +30% ~ -80% |
| DIELECTRIC WITHSTANDING VOLTAGE | | 2.5 x Rated Vol | tage for 1 minute | |
| INSULATION RESISTANCE (after 1 minute) | >10 G Ω | >10 G Ω | >10 G Ω | >10 G Ω |
| DISSIPATION FACTOR | < 0.1% | < 5% | < 5% | 1206 < 7% |

NPO 0805 STANDARD VALUES AND VOLTAGES

Case Size Part Number Voltage Capacitance (pF) Standard Tol. NCA0805NPO101J16TRPF 100 ±5% 16 NCA0805NPO221J16TRPF 220 ±5% NCA0805NPO100J25TRPF 10 ±5% NCA0805NPO150J25TRPF 15 ±5% NCA0805NPO220J25TRPF 22 ±5% NCA0805NPO330J25TRPF 33 ±5% NCA0805NPO470J25TRPF 47 ±5% NCA0805NPO680J25TRPF 68 ±5% 25 NCA0805NPO820J25TRPF 82 ±5% NCA0805NPO101J25TRPF 100 ±5% NCA0805NPO151J25TRPF 150 ±5% NCA0805NPO181J25TRPF 180 ±5% NCA0805NPO221J25TRPF 220 ±5% NCA0805NPO271J25TRPF 270 ±5% NCA0805NPO100J50TRPF 10 ±5% NCA0805NPO150J50TRPF 15 ±5% NCA0805NPO180J50TRPF 18 ±5% NCA0805NPO220J50TRPF 22 ±5% NCA0805NPO330J50TRPF 33 ±5% 0805 NCA0805NPO390J50TRPF 39 ±5% NCA0805NPO470J50TRPF 47 ±5% NCA0805NPO560J50TRPF 56 ±5% 50 NCA0805NPO680J50TRPF 68 ±5% NCA0805NPO820J50TRPF 82 ±5% NCA0805NPO101J50TRPF 100 ±5% NCA0805NPO121J50TRPF 120 ±5% NCA0805NPO151J50TRPF 150 ±5% NCA0805NPO181J50TRPF 180 ±5% NCA0805NPO221J50TRPF 220 ±5% NCA0805NPO271J50TRPF 270 ±5% NCA0805NPO100J100TRPF 10 ±5% NCA0805NPO150J100TRPF 15 ±5% NCA0805NPO220J100TRPF 22 ±5% NCA0805NPO330J100TRPF 33 ±5% 100 NCA0805NPO470J100TRPF 47 ±5% NCA0805NPO680J100TRPF 68 ±5% NCA0805NPO101J100TRPF 100 ±5% NCA0805NPO151J100TRPF 150 ±5%

RoHS Compliant Includes all homogeneous materials *See Part Number System for Details

NPO 0805 STANDARD VALUES AND VOLTAGES (CONTINUED ON NEXT PAGE)

NPO 0805 STANDARD VALUES AND VOLTAGES (CONTINUED)

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|-----------------------|-----------|---------|------------------|---------------|
| NCA0805NPO181J100TRPF | | | 180 | ±5% |
| NCA0805NPO221J100TRPF | 0805 | 100 | 220 | ±5% |
| NCA0805NPO271J100TRPF | | | 270 | ±5% |

NPO 1206 STANDARD VALUES AND VOLTAGES

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|-----------------------|-----------|---------|------------------|---------------|
| NCA1206NPO100J16TRPF | | | 10 | ±5% |
| NCA1206NPO220J16TRPF | | | 22 | ±5% |
| NCA1206NPO330J16TRPF | | | 33 | ±5% |
| NCA1206NPO470J16TRPF | | | 47 | ±5% |
| NCA1206NPO680J16TRPF | | 16 | 68 | ±5% |
| NCA1206NPO820J16TRPF | | 16 | 82 | ±5% |
| NCA1206NPO101J16TRPF | | | 100 | ±5% |
| NCA1206NPO221J16TRPF | | | 220 | ±5% |
| NCA1206NPO331J16TRPF | | | 330 | ±5% |
| NCA1206NPO471J16TRPF | | | 470 | ±5% |
| NCA1206NPO100J25TRPF | | | 10 | ±5% |
| NCA1206NPO150J25TRPF | | | 15 | ±5% |
| NCA1206NPO220J25TRPF | | | 22 | ±5% |
| NCA1206NPO330J25TRPF | | | 33 | ±5% |
| NCA1206NPO470J25TRPF | | | 47 | ±5% |
| NCA1206NPO680J25TRPF | 1 | | 68 | ±5% |
| NCA1206NPO820J25TRPF | 1 | 0.5 | 82 | ±5% |
| NCA1206NPO101J25TRPF | 1 | 25 | 100 | ±5% |
| NCA1206NPO151J25TRPF | 1 | | 150 | ±5% |
| NCA1206NPO181J25TRPF | | | 180 | ±5% |
| NCA1206NPO221J25TRPF | | | 220 | ±5% |
| NCA1206NPO271J25TRPF | | | 270 | ±5% |
| NCA1206NPO331J25TRPF | 1 | | 330 | ±5% |
| NCA1206NPO471J25TRPF | 1 | | 470 | ±5% |
| NCA1206NPO100J50TRPF | 1 | | 10 | ±5% |
| NCA1206NPO150J50TRPF | | | 15 | ±5% |
| NCA1206NPO180J50TRPF | 1 | | 18 | ±5% |
| NCA1206NPO220J50TRPF | 1206 | | 22 | ±5% |
| NCA1206NPO330J50TRPF | | | 33 | ±5% |
| NCA1206NPO390J50TRPF | | | 39 | ±5% |
| NCA1206NPO470J50TRPF | | | 47 | ±5% |
| NCA1206NPO560J50TRPF | | | 56 | ±5% |
| NCA1206NPO680J50TRPF | | | 68 | ±5% |
| NCA1206NPO820J50TRPF | | 50 | 82 | ±5% |
| NCA1206NPO101J50TRPF | | | 100 | ±5% |
| NCA1206NPO121J50TRPF | | | 120 | ±5% |
| NCA1206NPO151J50TRPF | | | 150 | ±5% |
| NCA1206NPO181J50TRPF | | | 180 | ±5% |
| NCA1206NPO221J50TRPF | | | 220 | ±5% |
| NCA1206NPO271J50TRPF | | | 270 | ±5% |
| NCA1206NPO331J50TRPF | | | 330 | ±5% |
| NCA1206NPO391J50TRPF | | | 390 | ±5% |
| NCA1206NPO471J50TRPF | | | 470 | ±5% |
| NCA1206NPO100J100TRPF | 1 | | 10 | ±5% |
| NCA1206NPO150J100TRPF | 1 | | 15 | ±5% |
| NCA1206NPO180J100TRPF | 1 | | 18 | ±5% |
| NCA1206NPO220J100TRPF | - | | 22 | ±5% |
| NCA1206NPO330J100TRPF | 1 | | 33 | ±5% |
| NCA1206NPO390J100TRPF | 1 | 100 | 39 | ±5% |
| NCA1206NPO470J100TRPF | 1 | 100 | 47 | ±5% |
| NCA1206NPO560J100TRPF | 1 | | 56 | ±5% |
| NCA1206NPO580J100TRPF | 1 | | 68 | ±5% |
| NCA1206NPO680J100TRPF | - | | 82 | ±5% ±5% |
| | 1 | 1 | I 02 | ±3 % |

NPO 1206 STANDARD VALUES AND VOLTAGES (CONTINUED ON NEXT PAGE)

NPO 1206 STANDARD VALUES AND VOLTAGES (CONTINUED)

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|-----------------------|-----------|---------|------------------|---------------|
| NCA1206NPO121J100TRPF | | | 120 | ±5% |
| NCA1206NPO151J100TRPF | | | 150 | ±5% |
| NCA1206NPO181J100TRPF | | | 180 | ±5% |
| NCA1206NPO221J100TRPF | 1206 | 100 | 220 | ±5% |
| NCA1206NPO271J100TRPF | | | 270 | ±5% |
| NCA1206NPO331J100TRPF | | | 330 | ±5% |
| NCA1206NPO391J100TRPF | | | 390 | ±5% |
| NCA1206NPO471J100TRPF | | | 470 | ±5% |

X7R 0805 STANDARD VALUES AND VOLTAGES

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|----------------------|-----------|---------|------------------|---------------|
| NCA0805X7R102K10TRPF | | | 1,000 | ±10% |
| NCA0805X7R152K10TRPF | | | 1,500 | ±10% |
| NCA0805X7R222K10TRPF | | | 2,200 | ±10% |
| NCA0805X7R332K10TRPF | | | 3,300 | ±10% |
| NCA0805X7R472K10TRPF | | | 4,700 | ±10% |
| NCA0805X7R682K10TRPF | | | 6,800 | ±10% |
| NCA0805X7R103K10TRPF | | 10 | 10,000 | ±10% |
| NCA0805X7R153K10TRPF | 1 | 10 | 15,000 | ±10% |
| NCA0805X7R223K10TRPF | 1 | | 22,000 | ±10% |
| NCA0805X7R333K10TRPF | 1 | | 33,000 | ±10% |
| NCA0805X7R473K10TRPF | | | 47,000 | ±10% |
| NCA0805X7R683K10TRPF | 1 | | 68,000 | ±10% |
| NCA0805X7R823K10TRPF | 1 | | 82,000 | ±10% |
| NCA0805X7R104K10TRPF | 1 | | 100,000 | ±10% |
| NCA0805X7R102K16TRPF | 1 | | 1,000 | ±10% |
| NCA0805X7R122K16TRPF | 1 | İ | 1,200 | ±10% |
| NCA0805X7R152K16TRPF | 1 | İ | 1,500 | ±10% |
| NCA0805X7R182K16TRPF | 1 | İ | 1,800 | ±10% |
| NCA0805X7R222K16TRPF | 1 | | 2,200 | ±10% |
| NCA0805X7R272K16TRPF | 1 | | 2,700 | ±10% |
| NCA0805X7R332K16TRPF | 1 | | 3,300 | ±10% |
| NCA0805X7R392K16TRPF | 1 | | 3,900 | ±10% |
| NCA0805X7R472K16TRPF | | | 4,700 | ±10% |
| NCA0805X7R562K16TRPF | 1 | | 5,600 | ±10% |
| NCA0805X7R682K16TRPF | 1 | | 6,800 | ±10% |
| NCA0805X7R822K16TRPF | 0805 | | 8,200 | ±10% |
| NCA0805X7R103K16TRPF | 1 | 16 | 10,000 | ±10% |
| NCA0805X7R123K16TRPF | 1 | İ | 12,000 | ±10% |
| NCA0805X7R153K16TRPF | 1 | İ | 15,000 | ±10% |
| NCA0805X7R183K16TRPF | 1 | İ | 18,000 | ±10% |
| NCA0805X7R223K16TRPF | | | 22,000 | ±10% |
| NCA0805X7R273K16TRPF | | | 27,000 | ±10% |
| NCA0805X7R333K16TRPF | | | 33,000 | ±10% |
| NCA0805X7R473K16TRPF | 1 | İ | 47,000 | ±10% |
| NCA0805X7R563K16TRPF | 1 | İ | 56,000 | ±10% |
| NCA0805X7R683K16TRPF | 1 | İ | 68,000 | ±10% |
| NCA0805X7R823K16TRPF | 1 | İ | 82,000 | ±10% |
| NCA0805X7R104K16TRPF | 1 | İ | 100,000 | ±10% |
| NCA0805X7R102K25TRPF | 1 | | 1,000 | ±10% |
| NCA0805X7R122K25TRPF | | | 1,200 | ±10% |
| NCA0805X7R152K25TRPF | 1 | | 1,500 | ±10% |
| NCA0805X7R182K25TRPF | | | 1,800 | ±10% |
| NCA0805X7R222K25TRPF | | | 2,200 | ±10% |
| NCA0805X7R272K25TRPF | | | 2,700 | ±10% |
| NCA0805X7R332K25TRPF | 1 | 25 | 3,300 | ±10% |
| NCA0805X7R392K25TRPF | 1 | | 3,900 | ±10% |
| NCA0805X7R472K25TRPF | 1 | | 4,700 | ±10% |
| NCA0805X7R562K25TRPF | 1 | | 5,600 | ±10% |
| NCA0805X7R682K25TRPF | 1 | | 6,800 | ±10% |
| NCA0805X7R822K25TRPF | ┪ | | 8,200 | ±10% |

X7R 0805 STANDARD VALUES AND VOLTAGES (CONTINUED ON NEXT PAGE)

Multilayer Ceramic Chip Capacitors

X7R 0805 STANDARD VALUES AND VOLTAGES (CONTINUED)

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|----------------------|-----------|---------|------------------|---------------|
| NCA0805X7R103K25TRPF | | | 10,000 | ±10% |
| NCA0805X7R153K25TRPF | | | 15,000 | ±10% |
| NCA0805X7R223K25TRPF | | | 22,000 | ±10% |
| NCA0805X7R333K25TRPF | | 25 | 33,000 | ±10% |
| NCA0805X7R473K25TRPF | | | 47,000 | ±10% |
| NCA0805X7R683K25TRPF | | | 68,000 | ±10% |
| NCA0805X7R104K25TRPF | 0005 | | 100,000 | ±10% |
| NCA0805X7R102K50TRPF | 0805 | | 1,000 | ±10% |
| NCA0805X7R152K50TRPF | | | 1,500 | ±10% |
| NCA0805X7R222K50TRPF | 50 | | 2,200 | ±10% |
| NCA0805X7R332K50TRPF | | 50 | 3,300 | ±10% |
| NCA0805X7R472K50TRPF | | | 4,700 | ±10% |
| NCA0805X7R682K50TRPF | | | 6,800 | ±10% |
| NCA0805X7R103K50TRPF | | | 10,000 | ±10% |

X7R 1206 STANDARD VALUES AND VOLTAGES

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|-----------------------|-----------|---------|------------------|---------------|
| NCA1206X7R181K16TRPF | | | 180 | ±10% |
| NCA1206X7R221K16TRPF | | | 220 | ±10% |
| NCA1206X7R271K16TRPF | | | 270 | ±10% |
| NCA1206X7R331K16TRPF | | | 330 | ±10% |
| NCA1206X7R391K16TRPF | | | 390 | ±10% |
| NCA1206X7R471K16TRPF | | ĺ | 470 | ±10% |
| NCA1206X7R561K16TRPF | | | 560 | ±10% |
| NCA1206X7R681K16TRPF | 7 | | 680 | ±10% |
| NCA1206X7R821K16TRPF | 7 | ĺ | 820 | ±10% |
| NCA1206X7R102K16TRPF | 7 | | 1,000 | ±10% |
| NCA1206X7R122K16TRPF | 7 | | 1,200 | ±10% |
| NCA1206X7R152K16TRPF | 7 | | 1,500 | ±10% |
| NCA1206X7R182K16TRPF | 7 | | 1,800 | ±10% |
| NCA1206X7R222K16TRPF | 7 | | 2,200 | ±10% |
| NCA1206X7R272K16TRPF | 7 | | 2,700 | ±10% |
| NCA1206X7R332K16TRPF | | 16 | 3,300 | ±10% |
| NCA1206X7R392K16TRPF | | | 3,900 | ±10% |
| NCA1206X7R472K16TRPF | | | 4,700 | ±10% |
| NCA1206X7R562K16TRPF | | | 5,600 | ±10% |
| NCA1206X7R682K16TRPF | 7 | | 6,800 | ±10% |
| NCA1206X7R822K16TRPF | \dashv | | 8,200 | ±10% |
| NCA1206X7R103K16TRPF | 1206 | | 10,000 | ±10% |
| NCA1206X7R123K16TRPF | - 1200 | | 12,000 | ±10% |
| NCA1206X7R153K16TRPF | _ | | 15,000 | ±10% |
| NCA1206X7R183K16TRPF | 7 | | 18,000 | ±10% |
| NCA1206X7R223K16TRPF | - | | 22,000 | ±10% |
| NCA1206X7R273K16TRPF | - | | 27,000 | ±10% |
| NCA1206X7R333K16TRPF | - | | 33,000 | ±10% |
| NCA1206X7R473K16TRPF | \dashv | | 47,000 | ±10% |
| NCA1206X7R563K16TRPF | \dashv | | 56,000 | ±10% |
| NCA1206X7R683K16TRPF | \dashv | | 68,000 | ±10% |
| NCA1206X7R823K16TRPF | \dashv | | 82,000 | ±10% |
| NCA1206X7R104K16TRPF | \dashv | | 100,000 | ±10% |
| NCA1206X7TT04KT0TTIFT | | | 220,000 | ±10% |
| NCA1206X7R474K16TRPF | | | 470,000 | ±10% |
| NCA1206X7R181K25TRPF | - | | 180 | ±10% |
| NCA1206X7R161K25TRPF | \dashv | | 220 | ±10% |
| | \dashv | | 270 | |
| NCA1206X7R271K25TRPF | - | | | ±10% |
| NCA1206X7R331K25TRPF | - | 25 | 330 | ±10% |
| NCA1206X7R391K25TRPF | - | | 390 | ±10% |
| NCA1206X7R471K25TRPF | _ | | 470 | ±10% |
| NCA1206X7R561K25TRPF | _ | | 560 | ±10% |
| NCA1206X7R681K25TRPF | | | 680 | ±10% |

New Values

X7R 1206 STANDARD VALUES AND VOLTAGES (CONTINUED ON NEXT PAGE)

Multilayer Ceramic Chip Capacitors

X7R 1206 STANDARD VALUES AND VOLTAGES (CONTINUED)

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|----------------------|-----------|---------|------------------|---------------|
| NCA1206X7R821K25TRPF | Case Size | voltage | 820 | ±10% |
| NCA1206X7H02HZ5HH11 | - | | 1,000 | ±10% |
| NCA1206X7R102R25TRFF | - | | 1,200 | ±10% |
| NCA1206X7R152K25TRPF | - | | 1,500 | ±10% |
| NCA1206X7R192R25TRPF | - | | 1,800 | ±10% |
| NCA1206X7R162R251RFF | - | | 2,200 | ±10% ±10% |
| | - | | · | |
| NCA1206X7R272K25TRPF | - | | 2,700 | ±10% |
| NCA1206X7R332K25TRPF | - | | 3,300 | ±10% |
| NCA1206X7R392K25TRPF | - | | 3,900 | ±10% |
| NCA1206X7R472K25TRPF | - | | 4,700 | ±10% |
| NCA1206X7R562K25TRPF | - | | 5,600 | ±10% |
| NCA1206X7R682K25TRPF | - | 0.5 | 6,800 | ±10% |
| NCA1206X7R822K25TRPF | - | 25 | 8,200 | ±10% |
| NCA1206X7R103K25TRPF | 4 | | 10,000 | ±10% |
| NCA1206X7R123K25TRPF | - | | 12,000 | ±10% |
| NCA1206X7R153K25TRPF | - | | 15,000 | ±10% |
| NCA1206X7R183K25TRPF | - | | 18,000 | ±10% |
| NCA1206X7R223K25TRPF | - | | 22,000 | ±10% |
| NCA1206X7R273K25TRPF | - | | 27,000 | ±10% |
| NCA1206X7R333K25TRPF | - | | 33,000 | ±10% |
| NCA1206X7R473K25TRPF | - | | 47,000 | ±10% |
| NCA1206X7R563K25TRPF | 4 | | 56,000 | ±10% |
| NCA1206X7R683K25TRPF | 1 | | 68,000 | ±10% |
| NCA1206X7R823K25TRPF | 1 | | 82,000 | ±10% |
| NCA1206X7R104K25TRPF | 1 | | 100,000 | ±10% |
| NCA1206X7R181K50TRPF | 1 | | 180 | ±10% |
| NCA1206X7R221K50TRPF | _ | | 220 | ±10% |
| NCA1206X7R271K50TRPF | 1206 | | 270 | ±10% |
| NCA1206X7R331K50TRPF | - | | 330 | ±10% |
| NCA1206X7R391K50TRPF | 1 | | 390 | ±10% |
| NCA1206X7R471K50TRPF | 1 | | 470 | ±10% |
| NCA1206X7R561K50TRPF | 1 | | 560 | ±10% |
| NCA1206X7R681K50TRPF | 1 | | 680 | ±10% |
| NCA1206X7R821K50TRPF | _ | | 820 | ±10% |
| NCA1206X7R102K50TRPF | _ | | 1,000 | ±10% |
| NCA1206X7R122K50TRPF | _ | | 1,200 | ±10% |
| NCA1206X7R152K50TRPF | _ | | 1,500 | ±10% |
| NCA1206X7R182K50TRPF | _ | | 1,800 | ±10% |
| NCA1206X7R222K50TRPF | _ | | 2,200 | ±10% |
| NCA1206X7R272K50TRPF | _ | | 2,700 | ±10% |
| NCA1206X7R332K50TRPF | _ | 50 | 3,300 | ±10% |
| NCA1206X7R392K50TRPF | _ | | 3,900 | ±10% |
| NCA1206X7R472K50TRPF | | | 4,700 | ±10% |
| NCA1206X7R562K50TRPF | | | 5,600 | ±10% |
| NCA1206X7R682K50TRPF | | | 6,800 | ±10% |
| NCA1206X7R822K50TRPF | 1 | | 8,200 | ±10% |
| NCA1206X7R103K50TRPF | 1 | | 10,000 | ±10% |
| NCA1206X7R153K50TRPF | 1 | | 15,000 | ±10% |
| NCA1206X7R223K50TRPF |] | | 22,000 | ±10% |
| NCA1206X7R273K50TRPF | 1 | | 27,000 | ±10% |
| NCA1206X7R333K50TRPF |] | | 33,000 | ±10% |
| NCA1206X7R473K50TRPF |] | | 47,000 | ±10% |
| NCA1206X7R563K50TRPF | | | 56,000 | ±10% |
| NCA1206X7R683K50TRPF | | | 68,000 | ±10% |
| NCA1206X7R823K50TRPF | | | 82,000 | ±10% |
| NCA1206X7R104K50TRPF | | | 100,000 | ±10% |

New Values

NCA Series

Multilayer Ceramic Chip Capacitors

X5R 0805 STANDARD VALUES AND VOLTAGES

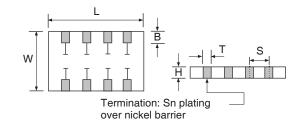
| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|----------------------|-----------|---------|------------------|---------------|
| NCA0805X5R104K16TRPF | 0805 | 16 | 100,000 | ±10% |

Y5V 1206 STANDARD VALUES AND VOLTAGES

| Part Number | Case Size | Voltage | Capacitance (pF) | Standard Tol. |
|----------------------|-----------|---------|------------------|---------------|
| NCA1206Y5V103Z16TRPF | | | 10,000 | +80%/-20% |
| NCA1206Y5V223Z16TRPF | | | 22,000 | +80%/-20% |
| NCA1206Y5V333Z16TRPF | | 16 | 33,000 | +80%/-20% |
| NCA1206Y5V473Z16TRPF | | | 47,000 | +80%/-20% |
| NCA1206Y5V104Z16TRPF | | | 100,000 | +80%/-20% |
| NCA1206Y5V103Z25TRPF | | | 10,000 | +80%/-20% |
| NCA1206Y5V223Z25TRPF | | 25 | 22,000 | +80%/-20% |
| NCA1206Y5V473Z25TRPF | 1206 | 25 | 47,000 | +80%/-20% |
| NCA1206Y5V104Z25TRPF | | | 100,000 | +80%/-20% |
| NCA1206Y5V103Z50TRPF | | | 10,000 | +80%/-20% |
| NCA1206Y5V153Z50TRPF | | | 15,000 | +80%/-20% |
| NCA1206Y5V223Z50TRPF | | 50 | 22,000 | +80%/-20% |
| NCA1206Y5V333Z50TRPF | | 50 | 33,000 | +80%/-20% |
| NCA1206Y5V473Z50TRPF | | | 47,000 | +80%/-20% |
| NCA1206Y5V104Z50TRPF | | | 100,000 | +80%/-20% |

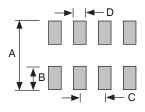
PART DIMENSIONS (mm)

| Series | NCA0805 | NCA1206 |
|--------|-----------------|-----------------|
| L | 2.00 ± 0.20 | 3.20 ± 0.20 |
| W | 1.25 ± 0.20 | 1.60 ± 0.20 |
| Н | 1.00 max. | 1.30 max. |
| S | 0.50 ± 0.10 | 0.80 ± 0.20 |
| Т | 0.28 ± 0.10 | 0.40 ± 0.15 |
| В | 0.25 ±0.15 | 0.30 ± 0.20 |

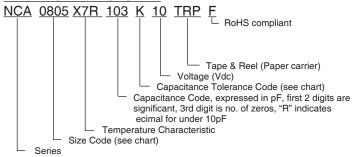


RECOMMENDED LAND PATTERN (mm)

| | | | ` , | |
|---------|-----------------|-----------------|----------------|---------------|
| Series | А | В | С | D |
| NCA0805 | 1.65 ± 0.10 | 0.55 ± 0.05 | 0.5 ± 0.05 | 0.25 ± 05 |
| NCA1206 | 2.60 ± 0.10 | 0.80 ± 0.05 | 0.8 ± 0.10 | 0.45 ±0.1 |



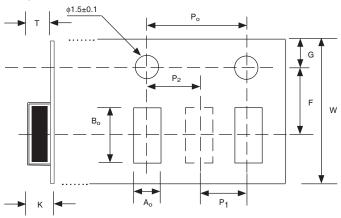
PART NUMBER SYSTEM



TAPE DIMENSIONS (mm)

| A_0 | B _o | F | G | К | P _o | P ₁ | P ₂ | Т | W |
|------------|----------------|------------|-----------|-----------|----------------|----------------|----------------|----------|----------|
| See note 1 | | 3.50 ±0.05 | 1.75 ±0.1 | 2.50 max. | 4.0 ±0.1 | 4.0 ±0.1 | 2.0 ±0.05 | 0.6 max. | 8.0 ±0.3 |

Note 1 - These dimensions are deterined by the maximum dimensions of the part. Clearance between the sides of the components shall be 0.05mm (min.) and 0.50mm (max). The clearance shall not allow the component to rotate more than 20° within the carrier cavity.



REEL DIMENSIONS (mm)

| Α | В | С | D | E | W | |
|-----------|---------|------------|-----------|----------|-----------|--|
| 178 ± 2.0 | 50 min. | 13.0 ± 0.2 | 20.2 min. | 1.5 min. | 8.4 ± 1.0 | |

