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SPC-F008.DWG

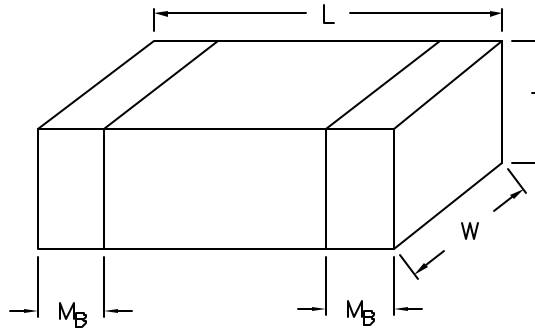
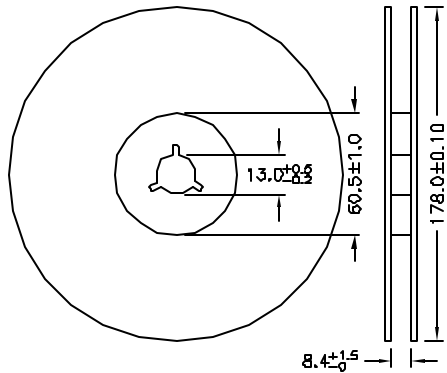
REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1308

| DCP # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE |
|-------|-----|-------------|-------|----------|--------|----------|--------|----------|
| 2032 | A | Released | JN | 03/05/09 | JWM | 03/05/09 | JWM | 03/05/09 |



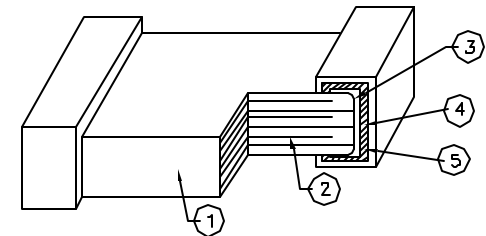
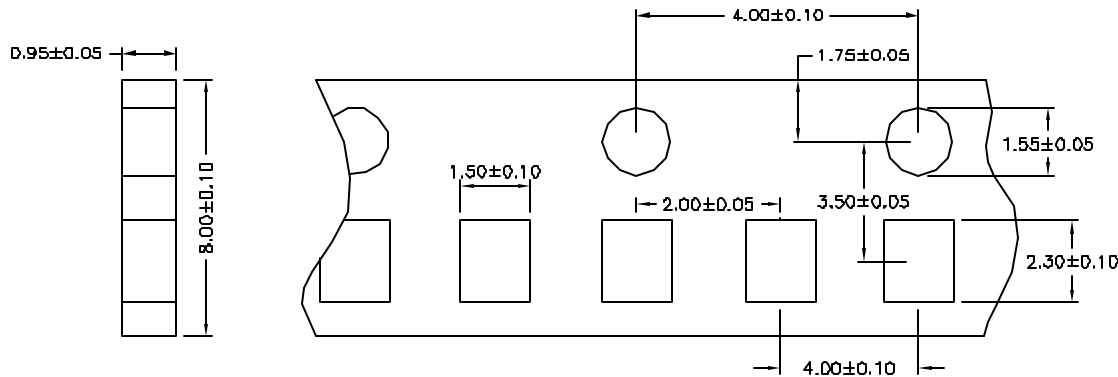
Tape & Reel Dimension



Capacitor Dimension

| L (mm) | W (mm) | T (mm) | M _B |
|-----------|-----------|-----------|----------------|
| 2.00±0.15 | 1.25±0.10 | 0.80±0.10 | 0.50±0.20 |

| NO. | Name | NPO/X7R | X7R/X5R/Y5V |
|-----|------------------|--------------|-------------|
| 1 | Ceramic material | BaTiO3 based | |
| 2 | Inner electrode | AgPd alloy | Ni |
| 3 | Inner layer | Ag | Cu |
| 4 | Termination | Middle layer | Ni |
| 5 | Outer layer | Sn (Matt) | |



DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

| | |
|---------------|----------|
| DRAWN BY: | DATE: |
| Jason Nash | 03/05/09 |
| CHECKED BY: | DATE: |
| Jeff McVicker | 03/05/09 |
| APPROVED BY: | DATE: |
| Jeff McVicker | 03/05/09 |

DRAWING TITLE:
High Voltage, Multilayer Ceramic Capacitors

| | | | |
|------------|---------------------|-----------------|-----|
| SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| A | Ta-1109 | Ta-1109.dwg | A |
| SCALE: NTS | U.O.M.: INCHES [mm] | SHEET: 1 OF 3 | |

| Manufacturers part number | Sell Unit of Measure | Reel Quantity | Capacitance | Capacitance Tolerance | Dielectric Characteristic | Package/Case | Voltage Rating |
|---------------------------|----------------------|---------------|--------------|-----------------------|---------------------------|--------------|----------------|
| MC0805B103K201CT | TC | | 0.01 μ F | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B103K201CT | TR | 4000 | 0.01 μ F | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B103M201CT | TC | | 0.01 μ F | \pm 20% | X7R | 0805 | 200 VDC |
| MC0805N101J201CT | TC | | 100 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N101J201CT | TR | 4000 | 100 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N101K201CT | TC | | 100 pF | \pm 10% | NP0 | 0805 | 200 VDC |
| MC0805B102K201CT | TC | | 1000 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B102K201CT | TR | 4000 | 1000 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B102M201CT | TC | | 1000 pF | \pm 20% | X7R | 0805 | 200 VDC |
| MC0805N150J201CT | TC | | 15 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N150J201CT | TR | 4000 | 15 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N150K201CT | TC | | 15 pF | \pm 10% | NP0 | 0805 | 200 VDC |
| MC0805N151J201CT | TC | | 150 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N151J201CT | TR | 4000 | 150 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N151K201CT | TC | | 150 pF | \pm 10% | NP0 | 0805 | 200 VDC |
| MC0805B152K201CT | TC | | 1500 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B152K201CT | TR | 4000 | 1500 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B152M201CT | TC | | 1500 pF | \pm 20% | X7R | 0805 | 200 VDC |
| MC0805N220J201CT | TC | | 22 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N220J201CT | TR | 4000 | 22 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N220K201CT | TC | | 22 pF | \pm 10% | NP0 | 0805 | 200 VDC |
| MC0805B221K201CT | TC | | 220 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B221K201CT | TR | 4000 | 220 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B221M201CT | TC | | 220 pF | \pm 20% | X7R | 0805 | 200 VDC |
| MC0805N221J201CT | TC | | 220 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N221J201CT | TR | 4000 | 220 pF | \pm 5% | NP0 | 0805 | 200 VDC |
| MC0805N221K201CT | TC | | 220 pF | \pm 10% | NP0 | 0805 | 200 VDC |
| MC0805B222K201CT | TC | | 2200 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B222K201CT | TR | 4000 | 2200 pF | \pm 10% | X7R | 0805 | 200 VDC |
| MC0805B222M201CT | TC | | 2200 pF | \pm 20% | X7R | 0805 | 200 VDC |

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SIZE
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DWG. NO.

Ta-1109

ELECTRONIC FILE

Ta-1109.DWG

REV

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| Manufacturers part number | Sell Unit of Measure | Reel Quantity | Capacitance | Capacitance Tolerance | Dielectric Characteristic | Package/Case | Voltage Rating |
|---------------------------|----------------------|---------------|-------------|-----------------------|---------------------------|--------------|----------------|
| MC0805N330J201CT | TC | | 33 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N330J201CT | TR | 4000 | 33 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N330K201CT | TC | | 33 pF | ± 10% | NP0 | 0805 | 200 VDC |
| MC0805B331K201CT | TC | | 330 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B331K201CT | TR | 4000 | 330 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B331M201CT | TC | | 330 pF | ± 20% | X7R | 0805 | 200 VDC |
| MC0805N331J201CT | TC | | 330 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N331J201CT | TR | 4000 | 330 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N331K201CT | TC | | 330 pF | ± 10% | NP0 | 0805 | 200 VDC |
| MC0805B332K201CT | TC | | 3300 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B332K201CT | TR | 4000 | 3300 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B332M201CT | TC | | 3300 pF | ± 20% | X7R | 0805 | 200 VDC |
| MC0805N470J201CT | TC | | 47 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N470J201CT | TR | 4000 | 47 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N470K201CT | TC | | 47 pF | ± 10% | NP0 | 0805 | 200 VDC |
| MC0805B471K201CT | TC | | 470 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B471K201CT | TR | 4000 | 470 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B471M201CT | TC | | 470 pF | ± 20% | X7R | 0805 | 200 VDC |
| MC0805B472K201CT | TC | | 4700 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B472K201CT | TR | 4000 | 4700 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B472M201CT | TC | | 4700 pF | ± 20% | X7R | 0805 | 200 VDC |
| MC0805N680J201CT | TC | | 68 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N680J201CT | TR | 4000 | 68 pF | ± 5% | NP0 | 0805 | 200 VDC |
| MC0805N680K201CT | TC | | 68 pF | ± 10% | NP0 | 0805 | 200 VDC |
| MC0805B681K201CT | TC | | 680 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B681K201CT | TR | 4000 | 680 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B681M201CT | TC | | 680 pF | ± 20% | X7R | 0805 | 200 VDC |
| MC0805B682K201CT | TC | | 6800 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B682K201CT | TR | 4000 | 6800 pF | ± 10% | X7R | 0805 | 200 VDC |
| MC0805B682M201CT | TC | | 6800 pF | ± 20% | X7R | 0805 | 200 VDC |

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