

| TMC PART NO. | CAPACITANCE IN MMF-AT 25°C. | CAPACITOR TOLERANCE | MAX. SIZE DIA. | MAX. THK. | VOLTAGE RATING | DIELECTRIC HI-POT | LEAD SPACING | REMARKS             |
|--------------|-----------------------------|---------------------|----------------|-----------|----------------|-------------------|--------------|---------------------|
| CC100-1      | 51                          | ±5%                 | .385           | .156      | 500 VDC        | 1250 VDC          | .250         |                     |
| CC100-2      | 75                          | ±5%                 | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-3      | 100                         | ±5%                 | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-4      | 120                         | ±5%                 | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-5      | 150                         | ±5%                 | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-6      | 220                         | ±10%                | .310           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-7      | 470                         | ±10%                | .310           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-8      | 820                         | ±10%                | .310           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-9      | 1000                        | ±10%                | .385           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-10     | 1500                        | GMV                 | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-11     | 2200                        | GMV                 | .385           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-12     | 2700                        | ±10%                | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-13     | 3300                        | GMV                 | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-14     | 4700                        | GMV                 | .500           |           | 500 VDC        | 1250 VDC          |              |                     |
| CC100-15     | 5000                        | GMV                 | .500           |           | 500 VDC        | 1500 VDC          | .250         |                     |
| CC100-16     | 10,000                      | GMV                 | .600           | .156      | 500 VDC        | 1250 VDC          | .375         |                     |
| CC100-17     | 2 X 1000                    | GMV                 | .310           | .187      | 1000 VDC       | 2000 VDC          | .250         |                     |
| CC100-18     | 2 X 1500                    | GMV                 | .310           |           | 1000 VDC       | 2000 VDC          |              |                     |
| CC100-19     | 2 X 2000                    | GMV                 | .385           |           | 1000 VDC       | 2000 VDC          |              |                     |
| CC100-20     | 2 X 2500                    | GMV                 | .500           |           | 1000 VDC       | 2000 VDC          |              |                     |
| CC100-21     | 2 X 3000                    | GMV                 | .500           | .187      | 1000 VDC       | 2000 VDC          | .250         |                     |
| CC100-22     | 2 X 4000                    | GMV                 | .750           | .156      | 1000 VDC       | 2000 VDC          | .375         |                     |
| CC100-23     | 2 X 10,000                  | GMV                 | .690           | .187      | 1000 VDC       | 2000 VDC          |              |                     |
| CC100-24     | 20,000                      | +80%-20%            | .690           | .156      | 500 VDC        | 1500 VDC          |              |                     |
| CC100-25     | 25,000                      | +80%-20%            | .690           | .156      | 500 VDC        | 1500 VDC          |              |                     |
| CC100-26     | REPLACED BY                 | CC-100-25           |                |           |                |                   |              |                     |
| CC100-27     | 50,000                      | +80%-20%            | .760           | .187      | 500 VDC        | 1500 VDC          | .375         |                     |
| CC100-28     | 100,000                     | +80%-20%            | .690           | .156      | 100 VDC        | 300 VDC           | .375         |                     |
| CC100-29     | 1,000                       | GMV                 | .310           | .156      | 500 VDC        | 1250 VDC          | .250         |                     |
| CC100-30     | 100                         | ±10%                | .235           | .156      | 500 VDC        | 1250 VDC          | .200         |                     |
| CC100-31     | 3,000                       | GMV                 | .600           | .156      | 2000 VDC       | 3000 VDC          | .375         | 861 X 5R OR EQUIV.  |
| CC100-32     | 100,000                     | +80%-20%            | .920           | .220      | 500 VDC        | 1500 VDC          |              |                     |
| CC100-33     | 200,000                     | +80%-20%            | .600           | .200      | 25 VDC         | 50 VDC            |              | S401-146            |
| CC100-34     | 1,000,000                   | +80%-20%            | .570           | .156      | 3 VDC          | 6 VDC             |              |                     |
| CC100-35     | 20,000                      | +60%-40%            | .600           | .156      | 150 VDC        | 300 VDC           | .375         |                     |
| CC100-36     | 30,000                      | +10%                | .600           | .156      | 100 VDC        | 300 VDC           | .400 MAX.    | S161 Z5T OR EQUIV.  |
| CC100-37     | 100,000                     | +80%-20%            | .760           | .285      | 300 VDC        | 900 VDC           | .375         |                     |
| CC100-38     | 620                         | ±10%                | .310           | .156      | 500 VDC        | 1250 VDC          | .250         |                     |
| CC100-39     | 2,200,000                   | +100 - 0%           | .840           | .156      | 3 VDC          |                   | .375         | *                   |
| CC100-40     | 20,000                      | +80%-20%            | 0.385          | 0.156     | 25 VDC         | 50 VDC            | 0.250        |                     |
| CC100-41     | 10,000                      | +80%-20%            | 0.385          | 0.156     | 25 VDC         | 50 VDC            | 0.250 ±.060  |                     |
| CC100-42     | 10,000                      | +20%-20%            | 0.335          | 0.125     | 50 VDC         | 100 VDC           | 0.250±.062   | S401-49 OR EQUIV.   |
| CC100-43     | 10,000                      | +20% -20%           | 0.344          | 0.125     | 100 VDC        | 300 VDC           | 0.250        | S401-203, S401-509. |
| CC100-44     | 100,000                     | +80% -20%           | 0.593          | 0.156     | 25 VDC         | 50 VDC            | 0.375 ±.060  |                     |
| CC100-45     | 10                          | +20% - 20%          | 0.310          | 0.156     | 1000 VDC       | 2000 VDC          | 0.250        | S401-49 OR EQUIV.   |
| CC100-46     | 20                          | +20% - 20%          | 0.310          | 0.156     | 1000 VDC       | 2000 VDC          | 0.250        | S401-49 OR EQUIV.   |
| CC100-47     | 2X10,000                    | GMV                 | .690           | .187      | 500VDC         | 1000 VDC          | .375         |                     |

| REVISIONS |     |  |         |            |       |      |      |
|-----------|-----|--|---------|------------|-------|------|------|
| ZONE      | SYM | DESCRIPTION  | DATE    | E.M.N. NO. | DRAFT | CHKD | APPD |
|           | Y   | COMPLETELY REVISED & REDRAWN   | 4/29/64 | 11248      | AM    |      |      |
|           | Z   | CC100-39 ADD., GMV WAS GVM * ADD. TO CC100-39 AND TO INS. RESIST. ON SPEC.                       | 9.3.64  | 12255      | LB    |      |      |
| F7,65     | AA  | ON CC100-33: CAP. WAS 220.00, MAX. THK WAS .156 VOLT. RATING WAS 10VDC, DIELEC. HI-POT WAS 35VDC | 9.24.64 | 12449      | LB    |      |      |
|           | AB  | ADDED REMARKS COL. CHG'D LEAD SPACING ON-36 TO 400. ADD CASE NOTE ADDED S161 Z5T OR EQUIV.       | 8-25-66 | 16773      | RME   |      |      |
|           | AC  | ADDED PT. NO. CC100-40   | 9/29/66 | 16936      | JL    |      |      |
|           | AD  | ON CC100-33: CAP. TOL CHG'D GMV TO 10% CHG'D SIZE FR. .310 TO .235 & LEAD SPACE FR. .250 TO .200 | 12-1-66 | 17369      | RME   |      |      |
|           | AE  | ADDED IT. 41 & NOTE PROVIDED MAX. DIM. ARE NOT EXCEEDED  | 3-28-67 | 18029      | ME    |      |      |
|           | AF  | ADDED PT. NO. CC100-42   | 1/12/68 | 18629      | Ent   |      |      |
|           | AG  | ADDED P/N CC100-43, CC100-44   | 1/19/68 | 18876      | C.V.  |      |      |
|           | AH  | ADDED P/N CC100-45, CC100-46   | 2-6-69  | 19199      | R.G.  |      |      |
|           | AJ  | S401-509 ADDED   | 1/17/70 | C.C.       | C.V.  |      |      |
|           | AK  | ADDED CC100-47   | 1/11/70 | 20082      | GE    |      |      |
|           | AL  | ADDED NOTE #2  | 1-20-71 | 20207      | RJ    |      |      |

**SPECIFICATIONS:**

TEMPERATURE RANGE: -55°C TO +85°C

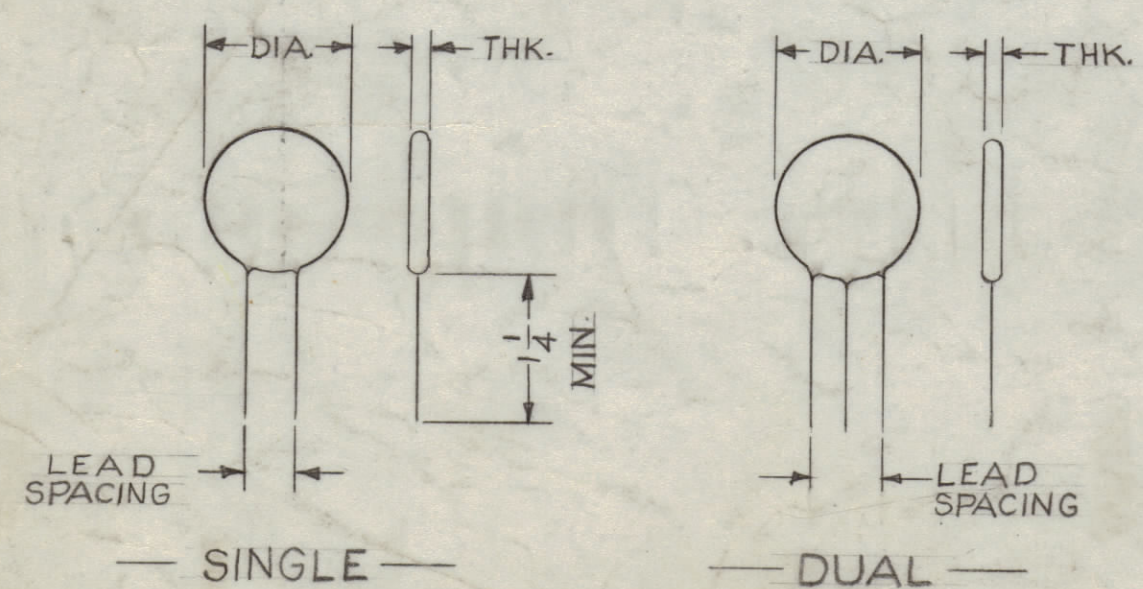
BODY INSULATION HI POT TEST: 1300V

INSULATION RESISTANCE: 10,000 MEG OHM  
\* 5,000 OHM MIN.

POWER FACTOR: 1.5% MAX ON 500 VOLT & HIGHER.  
2% MAX ON 50 VOLT TO 500 VOLT.  
10% MAX ON 50 VOLT & BELOW.

TEST FREQUENCY: 50 PF THRU 150 PF 1 MC  
220 PF & HIGHER. 1 KC

NOTE: 1. SQUARE CASE MAY BE ACCEPTED IF CASE SHOWN NOT AVAILABLE PROVIDED MAX DIMENSIONS ARE NOT EXCEEDED.  
2. SEE CX-119 DRAWING FOR THE SAME VALUES - SPEC. MAY BE DIFFERENT.



**STANDARD DRAWING**

|           |               |                   |
|-----------|---------------|-------------------|
| QTY./UNIT | MODEL USED ON | ASSY. NO.         |
| SCALE     | CODE          | S401-49 S401-283  |
|           |               | S401-203 S401-509 |

| REQ'D.  | ITEM | PART NUMBER                            | DESCRIPTION | SYMBOL         |
|---|------|--|-------------|----------------|
| <b>LIST OF MATERIAL</b>   |      |  |             |                |
| MATERIAL  |      | <b>THE TECHNICAL MATERIEL CORP.</b>    |             |                |
| FINISH  |      | MAMARONECK, NEW YORK                   |             |                |
|   |      | <b>CAPACITOR, FIXED, CERAMIC, DISC</b> |             |                |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES |      | DRAWN                                  | DATE        | FINAL APPROVAL |
|   |      | A. MARINO                              | 4-20-64     |                |
|   |      | CHECKED                                | DATE        |                |
|   |      |  | 5-26-64     |                |
| DECIMALS .X ± .05 .XX ± .01 .XXX ± .005   |      | FRACTIONS ± 1/64 ANGLES ± 0° 30'       |             | ELECT. DES.    |
|   |      | TOLERANCES                             |             | MECH. DES.     |
|   |      | DATE                                   |             | DATE           |
|   |      | 5-26-64                                |             | CC100          |
|   |      | DATE                                   |             | REV. LTR.      |
|   |      | SHEET                                  |             | AL             |

GMV - GUARANTEED MINIMUM VALUE

**NOTES**

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