

DRG No.  
**CP12924**

ISSUE  
**8**

TYPE No.  
DLT/- & DLTM/-

DIM. IN:  
MILLIMETRES

ODC:QA:40077  
ISSUE 2  
DO NOT SCALE

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ISS  
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MODIFICATION  
**REDRAWN**  
**CHANGE No. 78/80**  
**CHANGE No. 87/87**  
**CHANGE No. 91/47**  
**CHANGE No. 96/50**

DATE  
**24.6.80**  
**27.10.80**  
**23.11.87**  
**19.3.91**  
**26.2.96**

MATERIALS :  
BODY : BRASS TO BS 2874 CZ 121  
CAPACITOR : MONOLITHIC MULTILAYER  
CONSTRUCTION INCORPORATING  
CERAMOX<sup>®</sup> DIELECTRIC

MOUNTING DETAILS :  
HOLE IN CHASSIS : Ø5.1  
MAXIMUM CHASSIS THICKNESS : 1.6 (16 S.W.G.)  
MINIMUM PITCHING : 8mm

CHARACTERISTICS :  
CAPACITANCE TOLERANCE : -20% +80%  
PROOF VOLTAGE : 250V d.c.  
DISSIPATION FACTOR AT 1 kHz : LESS THAN 0.03  
OPERATING TEMPERATURE RANGE : -40°C TO +100°C  
VARIATION OF CAPACITANCE WITH TEMPERATURE (MAX) : ±12% (22, 47, 100)  
-55% +20% (330, 470, 680, 1000, 2200, 4700, 10000, 47000)  
-80% +30% (100000)

PERFORMANCE AS BS 9075 F006

| *       | DLT                                                                    | DLTM                                                                             |
|---------|------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| THREAD  | 2BA<br>BeCu CRINKLE WASHER<br>AS STANDARD – 0.3 THICK<br>– PLATING TIN | M5 x 0.8 WITH<br>BeCu CRINKLE WASHER<br>AS STANDARD – 0.3 THICK<br>– PLATING TIN |
| PLATING | GOLD TO BS4292 Au<br>OR<br>TIN 5µ THICK                                | TIN 5µ THICK                                                                     |

LEADTHROUGH TERMINATIONS :  
SILVER OR TIN-LEAD. SOLDERABILITY  
EXCEEDS BS2011 (IEC 68) TEST T

| TYPE                     | CAPACITANCE | COLOUR CODE | RATED VOLTAGE (Vds) |       |
|--------------------------|-------------|-------------|---------------------|-------|
|                          |             |             | -40/85°C            | 100°C |
| DLT 22 & DLTM 22         | 22 pF       | BLACK       | 100                 | 50    |
| DLT 47 & DLTM 47         | 47 pF       | YELLOW      | 100                 | 50    |
| DLT 100 & DLTM 100       | 100 pF      | WHITE       | 100                 | 50    |
| DLT 330 & DLTM 330       | 330 pF      | GREEN       | 100                 | 50    |
| DLT 470 & DLTM 470       | 470 pF      | ORANGE      | 100                 | 50    |
| DLT 680 & DLTM 680       | 680 pF      | GREY        | 100                 | 50    |
| DLT 1000 & DLTM 1000     | 1000 pF     | BROWN       | 100                 | 50    |
| DLT 2200 & DLTM 2200     | 2200 pF     | LIGHT GREEN | 100                 | 50    |
| DLT 4700 & DLTM 4700     | 4700 pF     | RED         | 100                 | 50    |
| DLT 10000 & DLTM 10000   | 10000 pF    | BLUE        | 100                 | 50    |
| DLT 47000 & DLTM 47000   | 47000 pF    | LIGHT BLUE  | 100                 | 50    |
| DLT 100000 & DLTM 100000 | 100000 pF   | LIGHT BROWN | 50                  | 25    |

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Technical drawing of a capacitor assembly. It shows a cross-section of a capacitor with a threaded terminal and a lead through terminal. Dimensions include: 27 MIN for the total height, 11.5 MAX for the body height, 5 MAX for the terminal height, and Ø0.9 NOM for the terminal diameter. Components labeled include: COLOUR CODING, 4BA HEXAGON 6.4A/F, CRINKLE WASHER, NUT, and THREADED TERMINAL. Asterisks (\*) are placed next to the CRINKLE WASHER and THREADED TERMINAL labels.

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