

## CAPACITOR SPECIFICATION

PART NUMBER: **323DQ4115B**

| <u>PARAMETER</u>           | <u>VALUE</u>                              | <u>UNITS</u>                            | <u>Q.A.</u> | <u>METHOD</u>          |
|----------------------------|---|---|-------------|------------------------|
| CAPACITANCE:               | 115                                       | uF                                      | 100%        | 120 Hz, 23 °C          |
| TOLERANCE:                 | ± 5                                       | %                                       |             |                        |
| RATED VOLTAGE:             | 2.3                                       | kV                                      |             |                        |
| TEST VOLTAGE:              | 2.5                                       | kV                                      | 100%        | 60 sec HIPOT           |
| RATED ENERGY:              | 304.2                                     | Joules                                  |             |                        |
| RATED VOLTAGE REVERSAL:    | 10  | %                                       |             |                        |
| MAX. VOLTAGE REVERSAL:     | 70 (FAULT)                                | %                                       |             | 1 CYCLE                |
| RATED PEAK CURRENT:        | 0.03                                      | kA                                      |             |                        |
| MAX. PEAK CURRENT (FAULT): | 0.1 (FAULT)                               | kA                                      |             | 1 CYCLE                |
| MAX. RMS CURRENT           | 3   | Amps RMS                                |             |                        |
| MAX. OPERATING TEMP.       | 60  | °C                                      |             |                        |
| MIN. OPERATING TEMP.       | -20                                       | °C                                      |             |                        |
| STORAGE TEMP:              | -40 to 70                                 | °C                                      |             |                        |
| DESIGN LIFE AT RATED:      | 1.0E+04                                   | Charge / Discharge cycles (5% Cap Loss) |             |                        |
| DC LIFE:                   | 83.3                                      | hours                                   |             |                        |
| RELIABILITY AT LIFE:       | 99  | %                                       |             |                        |
| MAX. DISSIPATION FACTOR    | 1.00                                      | %                                       | 100%        | 120 Hz, R.T.           |
| MAXIMUM ESR                | 0.1                                       | Ohms                                    | 100%        | 10 kHz, R.T.           |
| APPROX. INDUCTANCE         | 200                                       | nH                                      | SAMPLE      | STANDING WAVE          |
| MAX. LEAKAGE CURRENT       | 100                                       | uA                                      | SAMPLE      | 50 °C, 2300 V, 120 sec |
| CASE STYLE:                | DRAWN METAL CAN                           |   |             |                        |
| BUSHING:                   | 2 ea NYLON CUPS                           |   |             |                        |
| ELECTRODE:                 | 1/4" QUICK-CONNECT, 2 BLADES PER TERMINAL |   |             |                        |
| CASE TERMINAL:             | NONE                                      |   |             |                        |
| DIMENSIONS:                | 1.91 x 2.91 x 3.75 inches                 |   |             |                        |
|                            | 49 x 74 x 95 mm                           |   |             |                        |
| APPROXIMATE WEIGHT:        | 0.68                                      | lbs                                     |             |                        |
|                            | 0.31                                      | kg                                      |             |                        |

**NOTES:**

**NOTE 1:** LEAK TEST: 100 % test and inspection

**NOTE 2:** RSO IMPREGNANT (non-PCB)

\* R.T. = Room temperature (23 ± 7 °C)

|         |          |              |                |            |
|---------|----------|--------------|----------------|------------|
|         | SIZE     | FSCM         | DRAWING NUMBER | REV        |
|         | <b>A</b> | <b>58307</b> | <b>30956</b>   | <b>LTR</b> |
|         |          |              |                | <b>K</b>   |
| SHEET 2 |          |              |                |            |

