

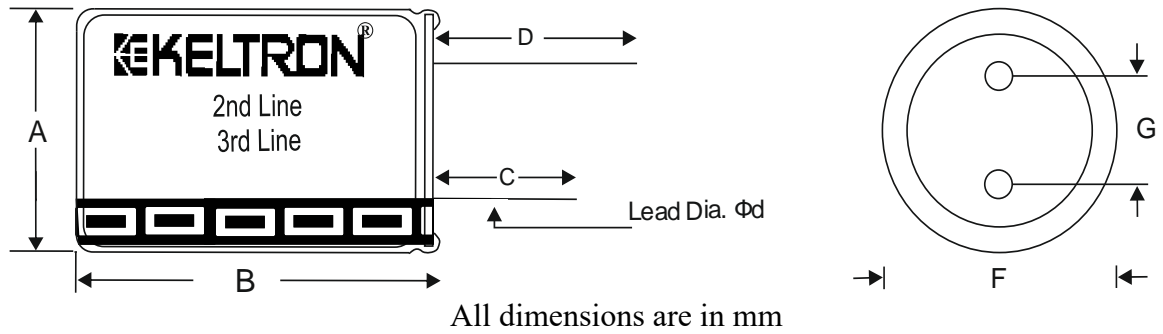
**TECHNICAL DATA SHEET**

|                       |  |
|-----------------------|--|
| Rating                | : 20F/2.7V   |
| Series                | : EA   |
| Size                  | : Dia : $\Phi 16\text{mm} \pm 0.5\text{mm}$<br>: Length : $25\text{mm} \pm 1\text{mm}$ |
| Capacitance           | : 20F -20% to +30%   |
| Rated voltage         | : 2.7VDC   |
| Leakage Current@72hrs | : 66 $\mu$ A max.  |
| ESR max. @DC          | : 36 m $\Omega$  |
| Temp category         | : -40°C to +55°C   |
| Keltron part number   | : EA200CQEKRBG   |
| Endurance category    | : +55°C /1000Hrs   |

**A. LIFE TEST SUMMARY**

| Tests                        | Life cycle   | High temperature load life   | Storage temperature characteristics                    | Vibration resistance  | Humidity  |
|------------------------------|--|--|--|---|---|
| Test condition<br>Parameters | Capacitors are cycled between rated voltage and half rated voltage under constant current at +30°C for 300000 cycles | Temperature: +55°C<br>Voltage: Rated voltage<br>Test duration: 1000hrs | Storage duration :2years<br>No load temperature: +35°C | Amplitude :1.5mm<br>Frequency: 10-55Hz<br>Direction: x,y,z for 2 hrs each | Voltage: Rated voltage<br>RH: 90%<br>Temperature: +50°C<br>Test duration: 1000hrs |
| Capacitance                  | $\leq 30\%$ of initial measured value  | $\leq 30\%$ of initial measured value                                  | $\leq 30\%$ of initial measured value                  | $\leq 30\%$ of initial measured value                                     | $\leq 30\%$ of initial measured value   |
| ESR                          | $\leq 200\%$ of initial measured value   | $\leq 200\%$ of initial measured value                                 | $\leq 200\%$ of initial measured value                 | $\leq 200\%$ of initial measured value                                    | $\leq 200\%$ of initial measured value  |
| Appearance                   | No remarkable defects  | No remarkable defects  | No remarkable defects                                  | No remarkable defects   | No remarkable defects   |

**B. PHYSICAL OUTLINE & PRINTING DETAILS**



|              |             |                  |         |                  |            |
|--------------|-------------|------------------|---------|------------------|------------|
| Diameter (A) | :16±0.5mm   | Cathode length C | :21±3mm | Outer Diameter F | :16±0.5mm  |
| Length (B)   | :25±1mm     | Anode Length D   | :27±3mm | Pitch G          | :7.5±0.5mm |
| Lead Dia Φd  | :0.8±0.05mm |                  |         |                  |            |
| 1st line     | : KELTRON   | 2nd line         | :20F EA | 3rd line         | : 2.7V XX  |

\* XX indicates date code