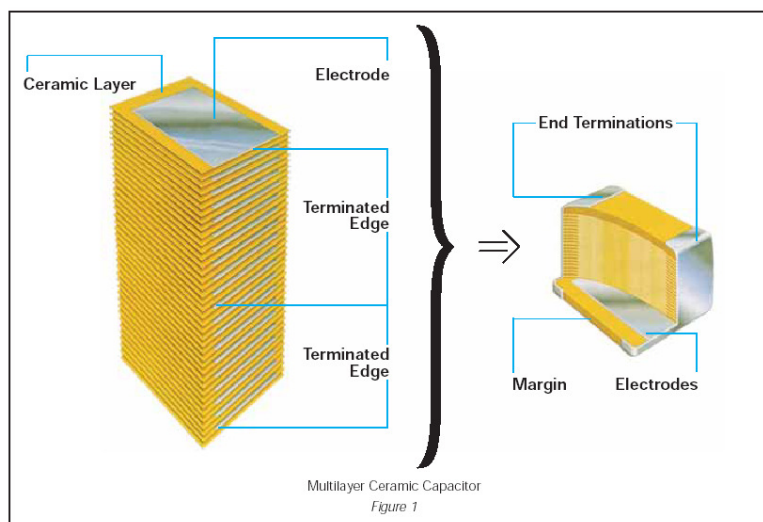
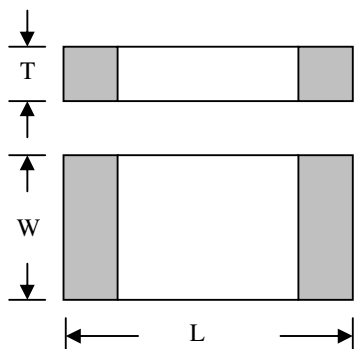


**I. PART NUMBER****18085A102JAT2A****II. MECHANICAL DIMENSION**

| Dimension | Length (L)    | Width (W)     | Max Thickness (T) |
|-----------|---------------|---------------|-------------------|
| mm        | 4.60 ± 0.50   | 2.00 ± 0.20   | 1.35              |
| Inches    | 0.181 ± 0.020 | 0.079 ± 0.008 | 0.053             |

**III. PERFORMANCE CHARACTERISTICS**

|                            |   |
|----------------------------|---|
| Capacitance Value          | 1 000 pF  |
| Capacitance Tolerance      | J = ±5%   |
| Dissipation Factor         | 0.10% max   |
| Operating Temp. Range      | -55°C to +125°C   |
| Temperature Characteristic | ± 30PPM/°C (NPO)  |
| Voltage Rating             | 50 VDC  |
| Insulation Resistance      | 100 000 MΩ<br>(charge device with rated voltage for 60 ±5 sec @ room temp/humidity) |
| Test Frequency             | 1.0 kHz @ 1.0 Vrms  |
| Terminations               | Nickel Barrier; 100% matte Tin Finish, RoHS compliant                               |

|                      |          |          |                          |                |
|----------------------|----------|----------|--------------------------|----------------|
| <b>DRAWN</b>         | Suhail   | 07-04-17 | <b>CUSTOMER</b>          |                |
| <b>CHECKED</b>       | Suhail   | 07-04-17 | <b>CUSTOMER PART NO.</b> |                |
| <b>REFERENCE NO.</b> | SMP-CHIP |          | <b>AVX CATALOG NO.</b>   | 18085A102JAT2A |