

## Dimensions

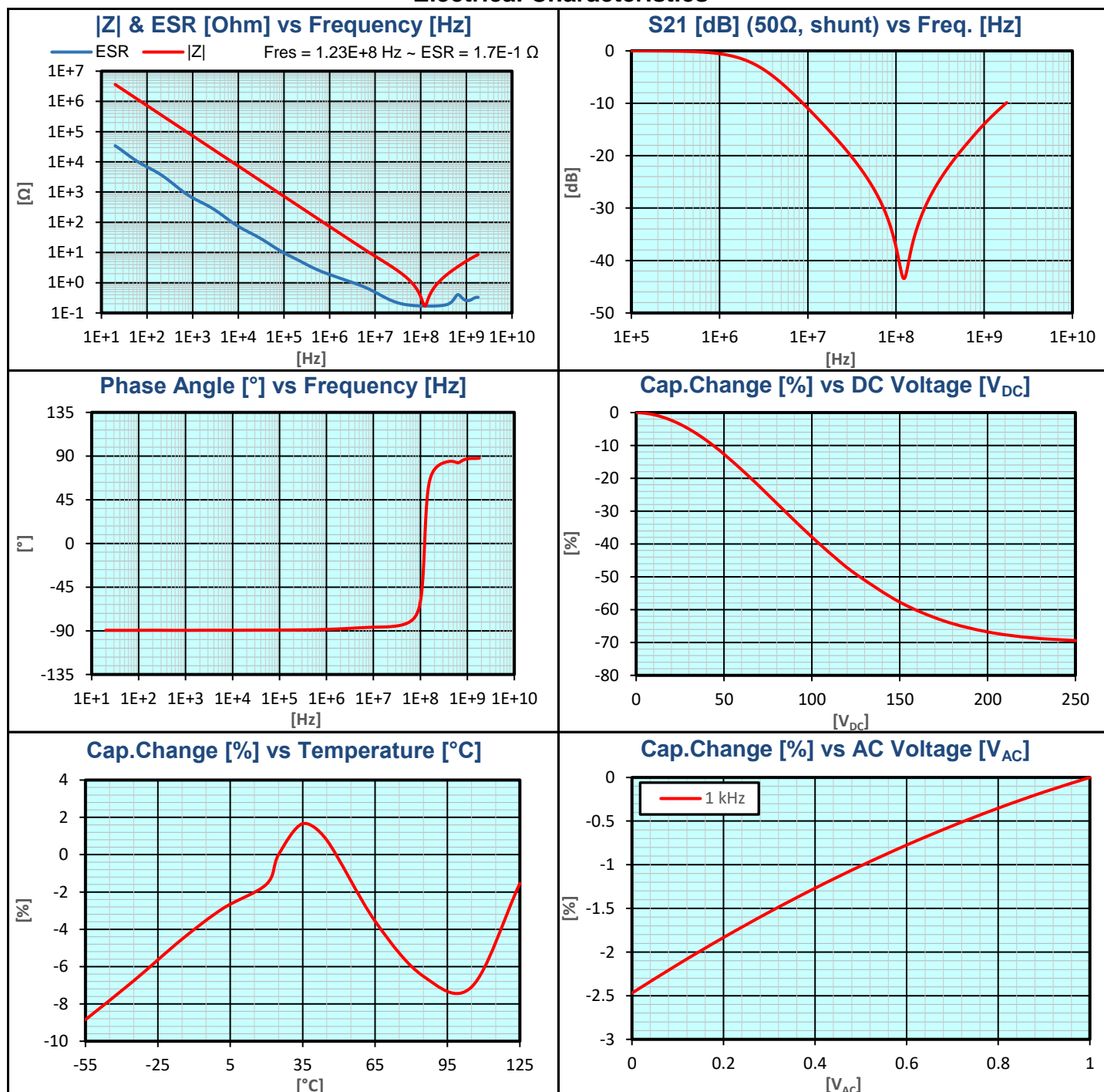


|        | millimetres     | inches            |
|--------|-----------------|-------------------|
| L      | $1.6 \pm 0.15$  | $0.063 \pm 0.006$ |
| W      | $0.81 \pm 0.15$ | $0.032 \pm 0.006$ |
| T max. | 0.9             | 0.035             |
| t      | $0.35 \pm 0.15$ | $0.014 \pm 0.006$ |

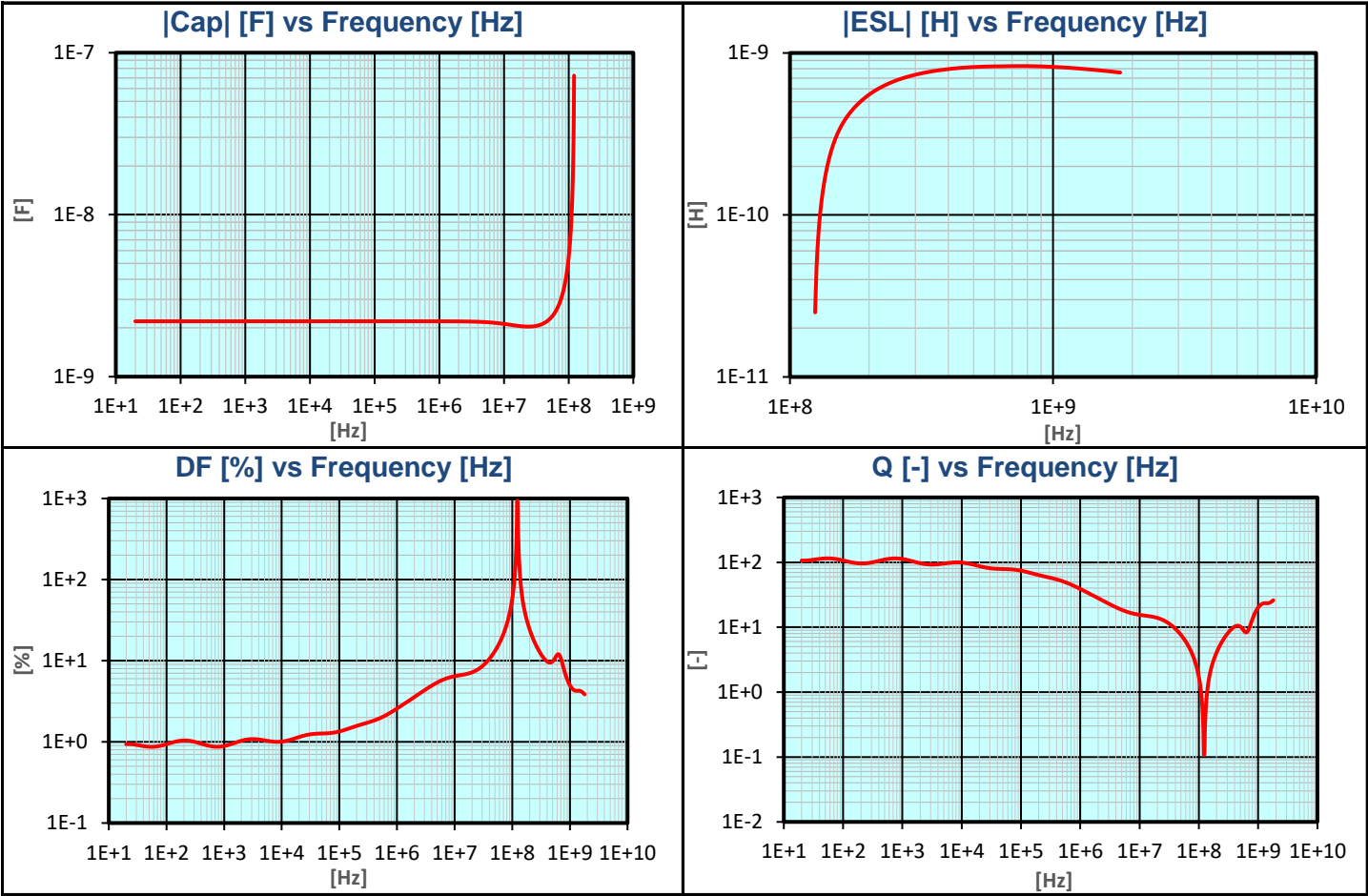
## Basic Specifications

| Item                  | Unit       | Spec.           | Conditions                    |
|-----------------------|------------|-----------------|-------------------------------|
| Capacitance           | nF         | 2.09 to 2.31    | @ 1 kHz, 1 Vrms               |
| DF                    | %          | 2.5 max.        | @ 1 kHz, 1 Vrms               |
| IR                    | G $\Omega$ | 100 min.        | @ 250 Vdc, t = 120 s          |
| DWV                   | Vdc        | 625             | @ I $\leq$ 50mA, t $\leq$ 5 s |
| Operating Temperature |            | -55°C to +125°C |                               |
| Dielectric            |            | X7R             |                               |
| AEC-Q200              |            | Qualified       |                               |
| RoHS Compliant        |            | Yes             |                               |
| Termination           |            | Sn              |                               |

## Electrical Characteristics



Electrical Characteristics



# 0603VC222J4T2A Datasheet



(0603 250V X7R 2.2nF ±5% AEC-Q200)

## How To Order

|   |   |   |   |  |   |   |  |   |
|---|---|---|---|--|---|---|--|---|
| <b>0805</b><br>T<br><b>Size</b><br>(L" x W")  | <b>5</b><br>T<br><b>Voltage</b><br>4V = 4<br>6.3V = 6<br>10V = Z<br>16V = Y<br>25V = 3<br>50V = 5<br>100V = 1<br>200V = 2<br>500V = 7 | <b>C</b><br>T<br><b>Dielectric</b><br>X7R = C | <b>103</b><br>T<br><b>Capacitance</b><br>Code (In pF)<br>2 Sig. Digits +<br>Number of Zeros | <b>M</b><br>T<br><b>Capacitance</b><br><b>Tolerance</b><br>J = ± 5%*<br>K = ±10%<br>M = ± 20%<br><br>*≤1µF only,<br>contact factory for<br>additional values | <b>A</b><br>T<br><b>Failure</b><br><b>Rate</b><br>A = Not<br>Applicable<br>4=Automotive | <b>T</b><br>T<br><b>Terminations</b><br>T = Plated Ni and Sn<br>Z= FLEXITERM®**<br><br>*Optional termination<br><br>**See FLEXITERM®<br>X7R section | <b>2</b><br>T<br><b>Packaging</b><br>2 = 7" Reel<br>4 = 13" Reel<br><br><b>Contact</b><br><b>Factory For</b><br><b>Multiples</b> | <b>A</b><br>T<br><b>Special</b><br><b>Code</b><br>A = Std.<br>Product |
| NOTE: Contact factory for availability of Termination and Tolerance Options for Specific Part Numbers.<br>Contact factory for non-specified capacitance values.   |   |   |   |  |   |   |  |   |
| NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are beleived to be accurate and reliable, but are presented without guarantee or responsibility of any kind, expressed or implied. Specifications are typical and may not apply to all applications. |   |   |   |  |   |   |  |   |