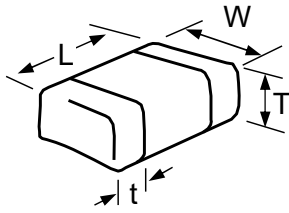


# KAM15AR70E105M#

( 0603, 2.5V, X7R, 1 $\mu$ F, +/-20%, AEC-Q200, Sn Term )  
Multilayer Ceramic Chip Capacitor Datasheet



## DIMENSIONS



|        | millimetres   | inches            |
|--------|---------------|-------------------|
| L      | 1.6 $\pm$ 0.1 | 0.063 $\pm$ 0.004 |
| W      | 0.8 $\pm$ 0.1 | 0.032 $\pm$ 0.004 |
| T max. | 0.90          | 0.036             |
| t      | 0.2 to 0.6    | 0.008 to 0.024    |

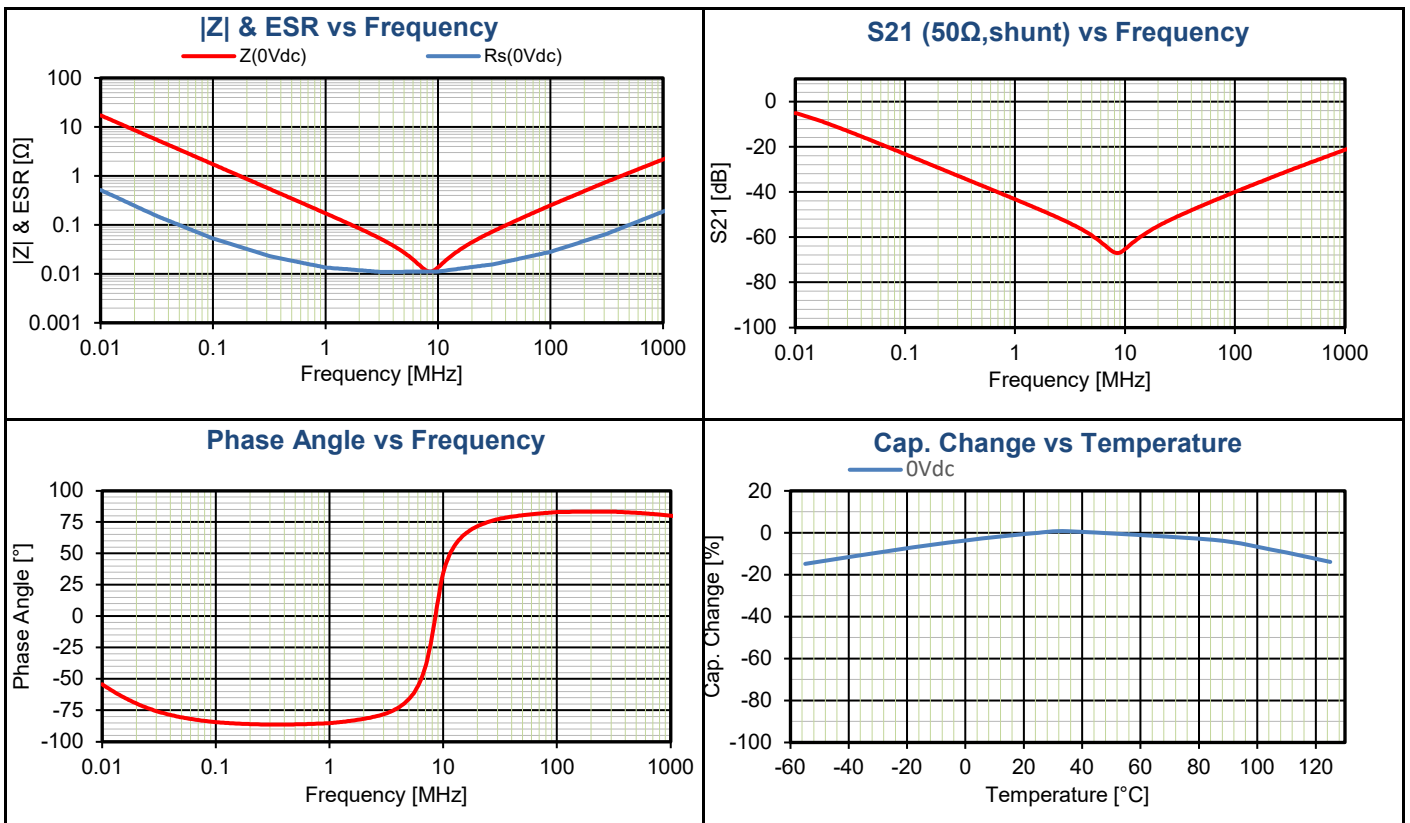
\*Inch is for reference only.

## BASIC SPECIFICATIONS

| Item                  | Spec.         | Conditions                  |
|-----------------------|---------------|-----------------------------|
| Rated Voltage         | 2.5V          |                             |
| Capacitance           | 1 $\mu$ F     | 1kHz, 0.5Vrms               |
| Capacitance Tolerance | +/-20%        |                             |
| DF Max                | 10 %          | 1kHz, 0.5Vrms               |
| IR Min                | 50 M $\Omega$ | 2.5Vdc, t=60s               |
| DWV                   | 6.25 Vdc      | I $\leq$ 50mA, t $\leq$ 5 s |

|                       |                                    |
|-----------------------|------------------------------------|
| Case Size EIA (JIS)   | 0603(1608)                         |
| Operating Temperature | -55°C to +125°C                    |
| Dielectric            | X7R                                |
| Grade                 | AEC-Q200                           |
| RoHS Compliant        | Yes                                |
| Termination           | Sn                                 |
| Packaging             | T&R 7in (180mm) & T&R 13in (330mm) |

## ELECTRICAL CHARACTERISTICS

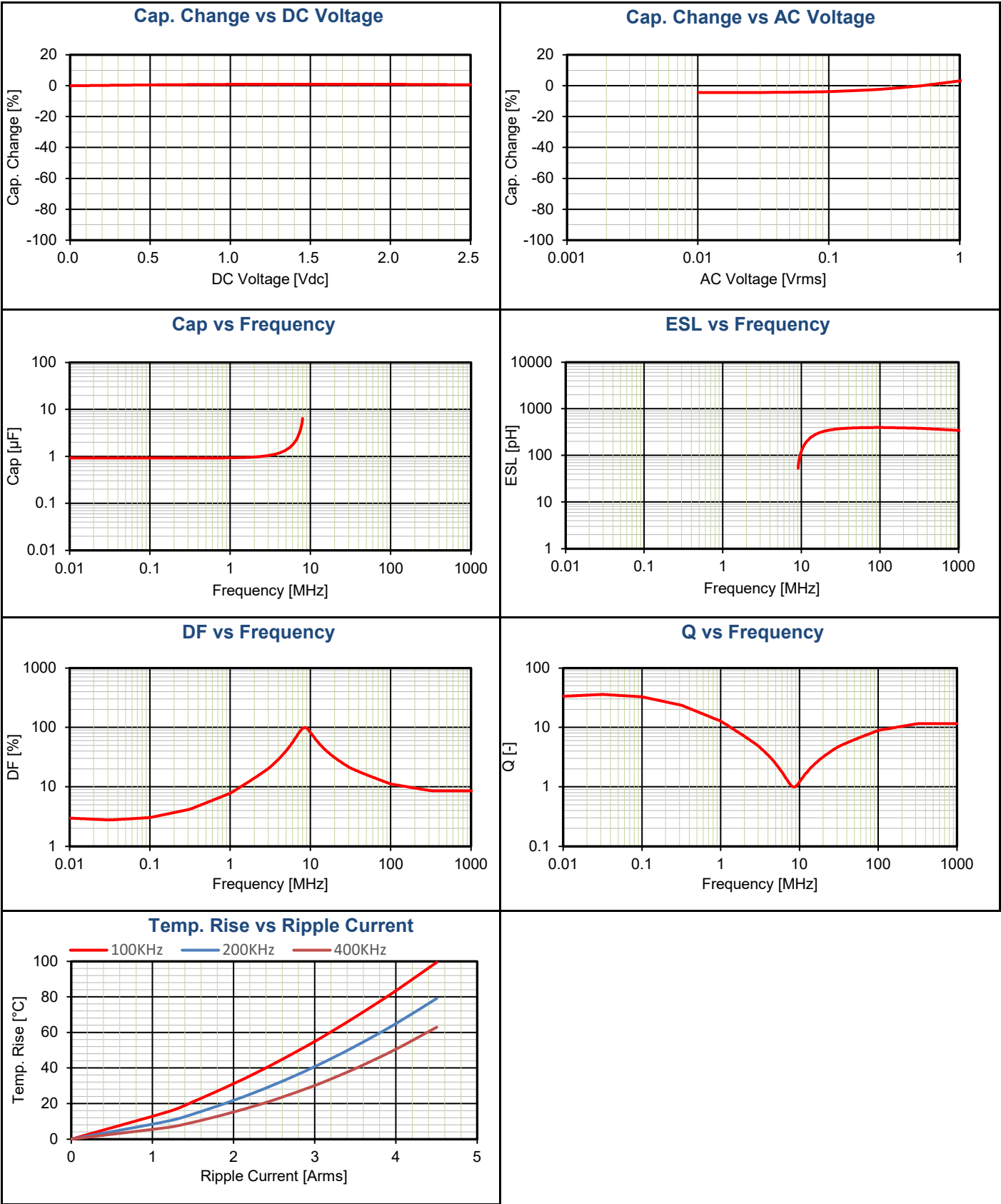


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## ELECTRICAL CHARACTERISTICS



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Please check catalog for part number availability

NOTICE: Specifications are subject to change without notice. All statements, information and data given herein are believed 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.