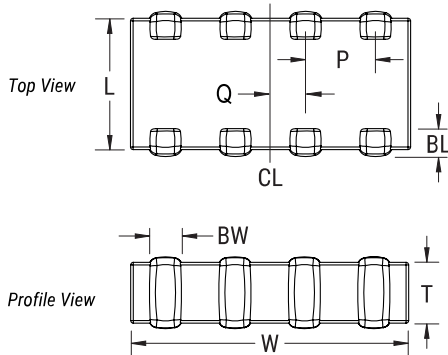


**KEMET Part Number: CA064X102K4RACTU**  
(CA064X102K4RAC7800)

Array Comm X7R Flex, Ceramic, 1000 pF, 10%, 16 VDC, X7R, SMD, MLCC, Array, Flex Termination, Class II, 0612



| Dimensions |                 |
|------------|-----------------|
| <b>L</b>   | 1.6mm +/-0.2mm  |
| <b>W</b>   | 3.2mm +/-0.2mm  |
| <b>T</b>   | 0.8mm +/-0.10mm |
| <b>P</b>   | 0.8mm +/-0.10mm |

| Packaging Specifications   |                        |
|----------------------------|------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Paper Tape |
| <b>Packaging Quantity:</b> | 4000                   |

| General Information      |  |
|--------------------------|--|
| <b>Series:</b>           | Array Comm X7R Flex                          |
| <b>Style:</b>            | SMD Array                                    |
| <b>Description:</b>      | SMD, MLCC, Array, Flex Termination, Class II |
| <b>RoHS:</b>             | Yes  |
| <b>Termination:</b>      | Flexible Termination                         |
| <b>AEC-Q200:</b>         | No   |
| <b>Component Weight:</b> | 23 mg  |
| <b>Chip Size:</b>        | 0612   |
| <b>Shelf Life:</b>       | 78 Weeks                                     |
| <b>MSL:</b>              | 1  |

| Specifications   |   |
|--|---|
| <b>Capacitance:</b>  | 1000 pF   |
| <b>Measurement Condition:</b>  | 1 kHz 1.0Vrms                                   |
| <b>Capacitance Tolerance:</b>  | 10%   |
| <b>Voltage DC:</b>   | 16 VDC  |
| <b>Dielectric Withstanding Voltage:</b>                                    | 40 VDC  |
| <b>Temperature Range:</b>  | -55/+125°C                                      |
| <b>Temperature Coefficient:</b>  | X7R   |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 15%, 1kHz 1.0Vrms                               |
| <b>Dissipation Factor:</b>   | 3.5% 1 kHz 1.0Vrms                              |
| <b>Aging Rate:</b>   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| <b>Insulation Resistance:</b>  | 100 GOhms                                       |