


**KEMET Part Number: C0603C104K3RALTU**  
(C0603C104K3RAL7867)

SMD Comm X7R SnPb, Ceramic, 0.1 uF, 10%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 0603



| Dimensions |                  |
|------------|------------------|
| <b>L</b>   | 1.6mm +/-0.15mm  |
| <b>W</b>   | 0.8mm +/-0.15mm  |
| <b>T</b>   | 0.8mm +/-0.07mm  |
| <b>S</b>   | 0.7mm MIN        |
| <b>B</b>   | 0.35mm +/-0.15mm |

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

| General Information   |   |
|-----------------------|---|
| <b>Supplier:</b>      | KEMET   |
| <b>Series:</b>        | SMD Comm X7R SnPb   |
| <b>Style:</b>         | SMD Chip  |
| <b>Description:</b>   | SMD, MLCC, Temperature Stable, SnPb Termination   |
| <b>Features:</b>      | SnPb Termination  |
| <b>RoHS:</b>          | No  |
| <b>Prop 65:</b>       |  <b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |
| <b>REACH:</b>         | SVHC (Pb – CAS 7439-92-1)   |
| <b>Termination:</b>   | Lead (SnPb)   |
| <b>Marking:</b>       | No  |
| <b>Miscellaneous:</b> | Note: Referee time for X7R dielectric for this part number is 1000 hours  |
| <b>Chip Size:</b>     | 0603  |

| Specifications                          |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 0.1 uF              |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 25 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 62.5 V              |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 3.50% 1kHz 25C      |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 5 GOhms             |

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