## KEMET Part Number: C1206C106K9PACTU

(C1206C106K9PAC7800)



Ceramic, Commercial-(CxxxxC), 10 uF, 10%, 6.3 V, 1206, X5R, SMD, MLCC, Temperature Stable, Class II



| Dimensions |                 |  |
|------------|-----------------|--|
| L          | 3.2mm +/-0.2mm  |  |
| W          | 1.6mm +/-0.2mm  |  |
| Т          | 1.6mm +/-0.20mm |  |
| В          | 0.5mm +/-0.25mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2000                     |  |

| General Information |  |  |
|---------------------|--|--|
| Style:              | SMD Chip   |  |
| Series:             | Commercial-(CxxxxC)  |  |
| Chip Size:          | 1206   |  |
| Description:        | SMD, MLCC, Temperature<br>Stable, Class II                                   |  |
| Features:           | Temperature Stable, Class II   |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| Marking:            | No   |  |
| Failure Rate:       | N/A  |  |
| Miscellaneous:      | Note: Referee time for X5R<br>dielectric for this part number is<br>48 hours |  |

| Specifications           |                     |  |
|--------------------------|---------------------|--|
| Capacitance:             | 10 uF               |  |
| Capacitance Tolerance:   | 10%                 |  |
| Voltage DC:              | 6.3 VDC             |  |
| Temperature Range:       | -55/+85C            |  |
| Temperature Coefficient: | X5R                 |  |
| Dissipation Factor:      | 10%                 |  |
| Aging Rate:              | 4% Loss/Decade Hour |  |
| Insulation Resistance:   | 10 MOhms            |  |
| Dielectric Strength:     | 15.75 V             |  |

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