KEMET Part Number: C1206C825K8RACTU

(C1206C825K8RAC7800)



SMD Comm X7R, Ceramic, 8.2 uF, 10%, 10 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1206



| 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 | |
|---------------------|--|
| Supplier: | KEMET |
| Series: | SMD Comm X7R |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Temperature Stable, Class II |
| Features: | Temperature Stable, Class II |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |
| Chip Size: | 1206 |

| Specifications | | |
|-------------------------------------|---------------------|--|
| Capacitance: | 8.2 uF | |
| Capacitance Tolerance: | 10% | |
| Voltage DC: | 10 VDC | |
| Dielectric Withstanding Voltage: | 25 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | X7R | |
| Dissipation Factor: | 5.00% 1kHz 25C | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 12 MOhms | |

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