

**KEMET Part Number: C0402C221K5RACTU**  
 (C0402C221K5RAC7867, C0402C221K5RACTR, 0402C221K5RACTU)



Ceramic, Commercial Grade, KEMET, Commercial-(CxxxxC), 220 pF, 10%, 50 V, 0402, X7R, SMD, MLCC, Temperature Stable, Class II



| Dimensions |                 |
|------------|-----------------|
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| T          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| B          | 0.3mm +/-0.1mm  |

| Packaging Specifications |                        |
|--------------------------|------------------------|
| Packaging:               | T&R, 180mm, Paper Tape |
| Packaging Quantity:      | 10000                  |

| General Information |  |
|---------------------|--|
| Style:              | SMD Chip   |
| Manufacturer:       | KEMET  |
| Series:             | Commercial-(CxxxxC)  |
| Chip Size:          | 0402   |
| Description:        | SMD, MLCC, Temperature Stable, Class II                                  |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Failure Rate:       | N/A  |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours |

| Specifications           |                     |
|--------------------------|---------------------|
| Capacitance:             | 220 pF              |
| Capacitance Tolerance:   | 10%                 |
| Voltage DC:              | 50 VDC              |
| Temperature Range:       | -55/+125C           |
| Temperature Coefficient: | X7R                 |
| Dissipation Factor:      | 2.5%                |
| Aging Rate:              | 3% Loss/Decade Hour |
| Dielectric Strength:     | 125 V               |

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