## **KEMET Part Number: C0402C471J5RACTU**

(C0402C471J5RAC7867)



Ceramic, Commercial-(CxxxxC), 470 pF, 5%, 50 V, 0402, X7R, SMD, MLCC, Temperature Stable, Class II



| Dimensions |                 |
|------------|-----------------|
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| Т          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| В          | 0.3mm +/-0.1mm  |

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

| General Information |                                                                                |
|---------------------|--------------------------------------------------------------------------------|
| Style:              | SMD Chip                                                                       |
| Series:             | Commercial-(CxxxxC)                                                            |
| Chip Size:          | 0402                                                                           |
| 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 X7R<br>dielectric for this part number is<br>1000 hours |

| Specifications                      |                     |  |
|-------------------------------------|---------------------|--|
| Capacitance:                        | 470 pF              |  |
| Capacitance Tolerance:              | 5%                  |  |
| Voltage DC:                         | 50 VDC              |  |
| Dielectric Withstanding<br>Voltage: | 125 V               |  |
| Temperature Range:                  | -55/+125C           |  |
| Temperature Coefficient:            | X7R                 |  |
| Dissipation Factor:                 | 2.5%                |  |
| Aging Rate:                         | 3% Loss/Decade Hour |  |
| Insulation Resistance:              | 100 GOhms           |  |

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