

**KEMET Part Number: C0402C331J5JACTU**  
(C0402C331J5JAC7867)

Ceramic, Commercial-(CxxxxC), 330 pF, 5%, 50 V, 0402, U2J, SMD, MLCC, Ultra-Stable, Low Loss, Class I



| 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   |
| Series:             | Commercial-(CxxxxC)  |
| Chip Size:          | 0402   |
| Description:        | SMD, MLCC, Ultra-Stable, Low Loss, Class I                               |
| Features:           | Ultra-Stable, Low Loss, Class I  |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Failure Rate:       | N/A  |
| Miscellaneous:      | Note: Referee time for U2J dielectric for this part number is 1000 hours |

| Specifications           |                       |
|--------------------------|-----------------------|
| Capacitance:             | 330 pF                |
| Capacitance Tolerance:   | 5%                    |
| Voltage DC:              | 50 VDC                |
| Temperature Range:       | -55/+125C             |
| Temperature Coefficient: | U2J                   |
| Dissipation Factor:      | 0.1%                  |
| Aging Rate:              | 0.1% Loss/Decade Hour |
| Insulation Resistance:   | 100 GOhms             |
| Dielectric Strength:     | 125 V                 |