

**KEMET Part Number: C1812X333KFRACU**  
(C1812X333KFRAC7800)

Ceramic, FlexTerm-(CxxxxX), 0.033 uF, 10%, 1,500 V, 1812, X7R, SMD, MLCC, FT-CAP, Temperature Stable



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 4.5mm +/-0.4mm  |
| <b>W</b> | 3.2mm +/-0.3mm  |
| <b>T</b> | 2.5mm +/-0.20mm |
| <b>B</b> | 0.7mm +/-0.35mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 500                      |

**General Information**

|                       |  |
|-----------------------|--|
| <b>Style:</b>         | SMD Chip   |
| <b>Series:</b>        | FlexTerm-(CxxxxX)  |
| <b>Chip Size:</b>     | 1812   |
| <b>Description:</b>   | SMD, MLCC, FT-CAP, Temperature Stable                                    |
| <b>Features:</b>      | FT-CAP, Temperature Stable   |
| <b>RoHS:</b>          | Yes  |
| <b>Termination:</b>   | Flexible Termination   |
| <b>Marking:</b>       | No   |
| <b>Failure Rate:</b>  | N/A  |
| <b>Miscellaneous:</b> | Note: Referee time for X7R dielectric for this part number is 1000 hours |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 0.033 uF            |
| <b>Capacitance Tolerance:</b>           | 10%                 |
| <b>Voltage DC:</b>                      | 1500 VDC            |
| <b>Dielectric Withstanding Voltage:</b> | 1,800 V             |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | X7R                 |
| <b>Dissipation Factor:</b>              | 2.5%                |
| <b>Aging Rate:</b>                      | 3% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 3.03 GOhms          |