

**KEMET Part Number: C1206C226M8PACTU**  
(C1206C226M8PAC7800)

SMD Comm X5R, Ceramic, 22 uF, 20%, 10 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 1206



**Dimensions**

|          |                     |
|----------|---------------------|
| <b>L</b> | 3.2mm +/-0.2mm      |
| <b>W</b> | 1.6mm +/-0.2mm      |
| <b>T</b> | 1.6mm +/-0.20mm     |
| <b>B</b> | 0.5mm +0.35/-0.25mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2000                     |

**General Information**

|                       |  |
|-----------------------|--|
| <b>Series:</b>        | SMD Comm X5R   |
| <b>Style:</b>         | SMD Chip   |
| <b>Description:</b>   | SMD, MLCC, Temperature Stable, Class II                                |
| <b>Features:</b>      | Temperature Stable, Class II   |
| <b>RoHS:</b>          | Yes  |
| <b>Termination:</b>   | Tin  |
| <b>Marking:</b>       | No   |
| <b>AEC-Q200:</b>      | No   |
| <b>Miscellaneous:</b> | Note: Referee time for X5R dielectric for this part number is 48 hours |
| <b>Chip Size:</b>     | 1206   |
| <b>Shelf Life:</b>    | 78 Weeks   |
| <b>MSL:</b>           | 1  |

**Specifications**

|  |                            |
|--|----------------------------|
| <b>Capacitance:</b>  | 22000000 pF, 120Hz 0.5Vrms |
| <b>Capacitance Tolerance:</b>  | 20%                        |
| <b>Voltage DC:</b>   | 10 VDC                     |
| <b>Dielectric Withstanding Voltage:</b>                                    | 25 VDC                     |
| <b>Temperature Range:</b>  | -55/+85°C                  |
| <b>Temperature Coefficient:</b>  | X5R                        |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 15%, 120Hz 0.5Vrms         |
| <b>Dissipation Factor:</b>   | 10.00% 120Hz 0.5Vrms       |
| <b>Aging Rate:</b>   | 5% Loss/Decade Hour        |
| <b>Insulation Resistance:</b>  | 5 MOhms                    |

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