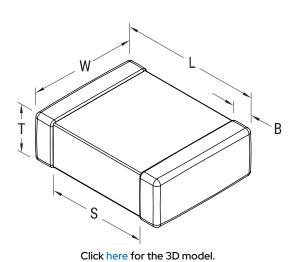




SMD Auto X7R HV VW80808, Ceramic, 10 pF, 10%, 1,000 VDC, X7R, SMD, MLCC, Automotive Grade, 1210



| General Information      |                                     |
|--------------------------|-------------------------------------|
| Series                   | SMD Auto X7R HV VW80808             |
| Style                    | SMD Chip                            |
| Description              | SMD, MLCC, Automotive Grade         |
| Features                 | VW 80808 Specification<br>Compliant |
| RoHS                     | Yes                                 |
| Termination              | Flexible Termination                |
| Failure Rate             | N/A                                 |
| Qualifications           | AEC-Q200                            |
| AEC-Q200                 | Yes                                 |
| Typical Component Weight | 85 mg                               |
| Shelf Life               | 152 Weeks                           |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.3mm +/-0.4mm  |
| W          | 2.6mm +/-0.3mm  |
| T          | 1.7mm +/-0.20mm |
| В          | 0.6mm +/-0.25mm |
|            |                 |

| Capacitance 10 pF  Tolerance 10%  Voltage DC 1000 VDC  Dielectric Withstanding Voltage 1,200 VDC  Temperature Range -55/+125°C  Temp. Coefficient X7R  Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)  Dissipation Factor 2.5% 1 kHz 1.0 Vrms | Specifications                  |                    |
|---|---------------------------------|--------------------|
| Voltage DC 1000 VDC  Dielectric Withstanding Voltage 1,200 VDC  Temperature Range -55/+125°C  Temp. Coefficient X7R  Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)   | Capacitance                     | 10 pF              |
| Dielectric Withstanding Voltage 1,200 VDC  Temperature Range -55/+125°C  Temp. Coefficient X7R  Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)  1,200 VDC  1,200 VDC  1,200 VDC  1,5% IkHz 1.0Vrms  | Tolerance                       | 10%                |
| Temperature Range -55/+125°C  Temp. Coefficient X7R  Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)  15%, 1kHz 1.0Vrms  | Voltage DC                      | 1000 VDC           |
| Temp. Coefficient X7R  Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)  15%, 1kHz 1.0Vrms  | Dielectric Withstanding Voltage | 1,200 VDC          |
| Capacitance Change with 15%, 1kHz 1.0Vrms Reference to +25°C and 0 VDC Applied (TCC)  | Temperature Range               | -55/+125°C         |
| Reference to +25°C and 0 VDC<br>Applied (TCC)   | Temp. Coefficient               | X7R                |
| Dissipation Factor 2.5%1kHz1.0Vrms  | Reference to +25°C and 0 VDC    | 15%, 1kHz 1.0Vrms  |
|   | Dissipation Factor              | 2.5% 1 kHz 1.0Vrms |

100 GOhms

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic Tape |
| Packaging Quantity       | 8000                     |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Insulation Resistance

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