

# Johanson Part Number VBDR402W221M1GF001B

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| Johanson Part Number: VBDR402W221M1GF001B  | Johanson Company: JDI   |
| Legacy P/N: 402S43W221MF4-BME  | Size for Capacitors (EIA): 1812                                       |
| Description: Capacitors HVS BME, 1812, X7R, 4000V, 220pF±20%, Polyterm Sn (RoHS), Bulk | Specification Number: None  |
| Life Cycle Stage: Active   | NCNR: No  |
| AEC Q200 Qualified: No   | Thickness (Max): 0.110  |
| Schedule B: 8532.24.00.20  | Thickness (Min): None   |
| ITAR: No   | End Band(Min): 0.01   |
| ECCN: EAR99  | End Band (max): 0.040   |
| RoHS Compliance: Yes, RoHS 10/10   | Standard Item: Yes  |
| REACH: Yes   | Lead Time Typical (Weeks)*: 18  |
| Country of Origin: US, MX, TW, or CN   | Length (Min): 0.165   |
| Product Family: Capacitors   | Length (Max): 0.189   |
| Product Subfamily: Capacitors High Voltage SMD ≥ 500V                                  | Width (Min):0.115   |
| Capacitance Value: 220.000   | Width (Max): 0.135  |
| Cap Unit of Meas: pF   | Part Weight (mg): None  |
| Tolerance: ±20%  | Packaged Width (lb) Arm: None   |
| Voltage: 4000.0  | Packaging: Bulk   |
| Dielectric Temp Coefficient: X7R   | Packaging Qty: None   |
| Termination: 70  | Operating Temp Range: -55°C to +125°C                                 |
| Marking: No Mark   | Storage Temp Range (Packaged): -65°C to +125°C                        |
| Product Release Date: Jan. 3, 2006, 8 a.m.   | Storage Temp Range (None Operating): +5°C to +40°C with RH 20% to 70% |
| Harmonization: 8532.24.00.20   |   |

\*This can vary significantly so it is important to obtain a quotation with lead time for production planning purposes.

Web Page Link: <https://www.johansondielectrics.com/high-voltage-mlc-capacitors>

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