

# Johanson Part Number EMDF501W223M1GV002E

Johanson Part Number: EMDF501W223M1GV002E

Johanson Company: JDI

Legacy P/N: 501X41W223MV4E+AQ

Size for Capacitors (EIA): 1210

Description: EMI Filters, 1210, X7R, 500V,  
0.022 $\mu$ F $\pm$ 20%, Ni/Sn (RoHS), 7" Reel Embossed  
Tape, AEC Q200

Specification Number: None

Life Cycle Stage: Active

NCNR: No

AEC Q200 Qualified: Yes

Thickness (Max): 0.070

Schedule B: 8532.24.00.20

Thickness (Min): None

ITAR: No

End Band(Min): 0.01

ECCN: EAR99

End Band (max): 0.028

RoHS Compliance: Yes, RoHS 10/10

Standard Item: Yes

REACH: Yes

Lead Time Typical (Weeks)\*: 18

Country of Origin: US, MX, or CN

Length (Min): 0.115

Product Family: Capacitors

Length (Max): 0.135

Product Subfamily: EMI Filters

Width (Min): 0.088

Capacitance Value: 0.020

Width (Max): 0.108

Cap Unit of Meas:  $\mu$ F

Part Weight (mg): 80.00

Tolerance:  $\pm$ 20%

Packaged Width (lb) Arm: None

Voltage: 500.0

Packaging: 7" Reel Embossed Tape

Dielectric Temp Coefficient: X7R

Packaging Qty: 2000

Termination: 68

Operating Temp Range: -55°C to +125°C

Marking: No Mark

Storage Temp Range (Packaged): +5°C to +40°C  
with RH 20% to 70%

Product Release Date: Jan. 27, 2006

Storage Temp Range (None Operating): -65°C to  
+125°C

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/emi-filter-decoupling-capacitors>

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