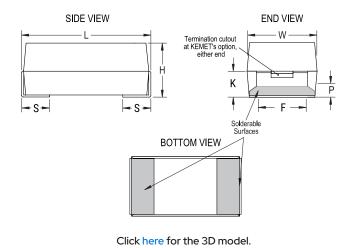# CWR09JK105KB

Aliases (T409B105K020BK)

T409 CWR09, Tantalum, MnO2 Tantalum, Military/High Reliability, 1 uF, 10%, 20 VDC, SMD, MnO2, Molded, Military Equivalent, B (0.1%/1000 Hrs), 12 Ohms, 3813, 1.65 mm, 0.76 mm

Diagrams

SIDE VIEW

END VIEW

Termination cutout at KEMET's option, either end

Solderable Surfaces

BOTTOM VIEW

Click here for the 3D model.

General Information

Series	T409 CWR09
Dielectric	MnO2 Tantalum
Style	SMD Chip
Description	SMD, MnO2, Molded, Military Equivalent
RoHS	No
Prop 65	**WARNING:** Cancer and reproductive harm – https://www.p65warnings.ca.gov/ .
SCIP Number	656db0b8-8445-4117-82f2-2f12 e764f0b1
Termination	Solder Fused
Qualifications	MIL-PRF-55365/4, CWR09 Style
AEC-Q200	No
Typical Component Weight	68.73 mg
Notes	Note: When Option C Is Selected For Lead Material, Add An Additional 0.38mm To The Tolerances For "L", "W", "H", "K" ,"F" And "S".
MSL	1

Dimensions

L	3.81mm +/-0.38mm
W	1.27mm +/-0.38mm
H	1.27mm +/-0.38mm
S	0.76mm +0.25/-0.13mm
F	1.27mm +/-0.13mm
K	0.76mm MIN
P	0.38mm MIN

Packaging Specifications

Packaging	T&R, 178mm
Packaging Quantity	2500

Specifications

Capacitance	1 uF
Tolerance	10%
Voltage DC	20 VDC (85C), 13.4 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	B (0.1%/1000 Hrs)
ESR	12 Ohms (100kHz 25C)
Ripple Current	76 mA (rms, 100kHz 25C)
Leakage Current	1 uA (5min 25°C)
Testing and Reliability	Standard Testing Only