

## T409C105K025CC42517610

T409 CWR09, Tantalum, MnO<sub>2</sub> Tantalum, Military/High Reliability, 1 uF, 10%, 25 VDC, SMD, MnO<sub>2</sub>, Molded, Military Equivalent, C (0.01%/1000 Hrs), 6.5 Ohms, 5113, Height Max = 1.65mm



Click [here](#) for the 3D model.

### Dimensions

Footprint	5113
L	5.08mm +/-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	Bulk, Bag
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### General Information

Series	T409 CWR09
Dielectric	MnO <sub>2</sub> Tantalum
Style	SMD Chip
Description	SMD, MnO <sub>2</sub> , Molded, Military Equivalent
RoHS	No
Prop 65	<b>⚠ WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">http://www.p65warnings.ca.gov</a> .
Termination	Hot Solder Dipped
Qualifications	MIL-PRF-55365/4, CWR09 Style
AEC-Q200	No
Component Weight	146.5 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

### Specifications

Capacitance	1 uF
Capacitance Tolerance	10%
Voltage DC	25 VDC (85C), 16.75 VDC (125C)
Temperature Range	-55/+125°C
Rated Temperature	85°C
Dissipation Factor	6% 120Hz 25C
Failure Rate	C (0.01%/1000 Hrs)
Resistance	6.5 Ohms (100kHz 25C)
Leakage Current	1 uA (5min 25°C)
Testing and Reliability	Surge Testing At -55C And +85C After Weibull

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