

## Excellent Integrated System Limited

Stocking Distributor

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[KEMET](#)  
[CWR09NC105KB](#)

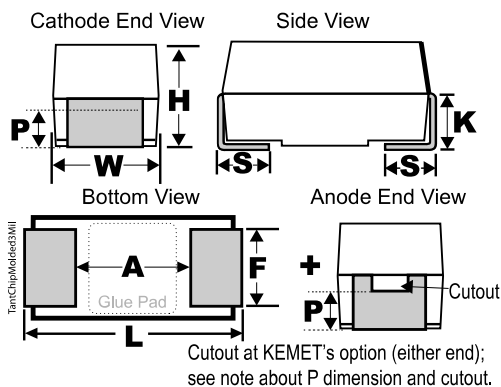
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

**KEMET Part Number: T409E105K050BC**  
 (CWR09NC105KB)



Capacitor, Tantalum, 1 uF, 5125, +/-10% Tol, -55/+125C, 50 VDC (85C), Failure Rate=B (0.1%/1000 Hrs)



**Dimensions (mm)**

Symbol	Dimension	Tolerance
L	5.08	+/-0.38
W	2.54	+/-0.38
H	1.27	+/-0.38
K	0.76	MIN
F	2.41	+0.13/-0.25
S	0.76	+0.025/-0.13
P	0.38	MIN
A	3.56	NOM

**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"

-P And R Dimensions Represents The Minimum Solderable Area Of The Termination Surface Entirely Below Cutout (If One Is Present)

**General Information**

Supplier:	KEMET
Application:	MIL-PRF-55365/4
Part Type Description:	SMD, MnO2, Molded, Military Equivalent
Construction:	Standard Chip-MnO2
Body Type:	SMD Chip
Termination:	Hot Solder Dipped
Footprint:	5125
Weight:	421.63 mg
Approvals:	MIL-PRF-55365/4, CWR09 Style
RoHS:	No

**Specifications**

Capacitance:	1 uF
Tolerance:	+/-10%
Voltage:	50 VDC (85C)
Voltage:	33.5 VDC (125C)
Temperature Range:	-55/+125C
Testing:	Standard Testing Only
Resistance/ESR:	6 Ohms (100kHz)
Failure Rate:	B (0.1%/1000 Hrs)
Leakage Current:	1 uA
Dissipation Factor:	6%

**Packaging Specifications**

Package Kind:	T&R
Package Size:	7 in/180 mm
Package Quantity:	2500