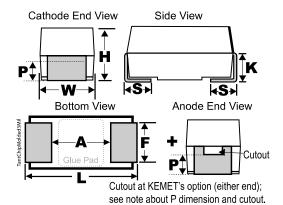
KEMET Part Number: T409E105K050BC

(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 | | |
| Н | 1.27 | +/-0.38 | | |
| К | 0.76 | MIN | | |
| F | 2.41 | +0.13/-0.25 | | |
| S | 0.76 | +0.025/-0.13 | | |
| Р | 0.38 | MIN | | |
| Α | 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 | |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

