THICK FILM PRECISION CHIP RESISTORS
MILITARY GRADE
MCT SERIES

☑ Choice of termination materials: 100% tin plated nickel barrier is standard (palladium silver, gold, or tin-lead solder available)
☑ Wraparound termination is standard, single sided termination is available (Option 'S')
☑ Wide resistance range: 0.1Ω to 100MΩ
☑ 100% Group A screening per MIL-R-55342 available
☑ Wide design flexibility for use with hybrid or smd circuitry
☑ Custom sizes, high surge, untrimmed chips available
☑ Backside metalization available

Species
TYPICAL PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>10Ω to 1MΩ range</th>
<th>&lt;10Ω, &gt;1MΩ range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp. Coefficient</td>
<td>±300 ppm (standard)</td>
<td>±100ppm (opt.)</td>
</tr>
<tr>
<td>Thermal Shock</td>
<td>0.5%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Short Time Overload</td>
<td>0.5%</td>
<td>0.25%</td>
</tr>
<tr>
<td>High Temp. Exposure</td>
<td>0.5%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Moisture Resistance</td>
<td>0.5%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Load Life</td>
<td>1.0%</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

PART NUMBER DESIGNATION:

MCT8005 1001 - F T 101 W

RCD Type
Options: S = single sided termination
(leave blank for wraparound termination)

Res. Value: 4 digit code if tol. is 0.1% to 1%
(R1000=0.1Ω, 1R00=1Ω, 10R0=10Ω, 100R=100Ω, 1K=1KΩ, 10K=10KΩ, 100=100KΩ, 1M=1MΩ)
3 digit code if ≥2% (R10=0.1Ω, 1R=1Ω, 10=10Ω, 101=100Ω, 102=1KΩ, 103=10KΩ, 1004=1MΩ)

Tolerance Code: B=0.1%, C=0.25%, D=0.5%, E=1%, G=2%, J=5%, K=10%, M=20%

Packaging: B=bulk, T=tape&reel, W=waffle tray

Optional TC Characteristic: 50 = 50ppm, 101 = 100ppm, 201 = 200ppm, etc. (leave blank if standard)

Termination Material: Standard = W (lead-free100% Tin with Nickel barrier). Optional = Q (Tin-Lead solder with Ni barrier), P= untinned Palladium Silver, G=Gold

RCD Components Inc, 520 E. Industrial Park Dr, Manchester, NH, USA 03109 rcdcomponents.com Tel: 603-669-0054 Fax: 603-669-5455 Email: sales@rcdcomponents.com
FA045B Sale of this product is in accordance with GF-061. Specifications subject to change without notice.