



# Thin Film Chip Resistors

# RNC Series

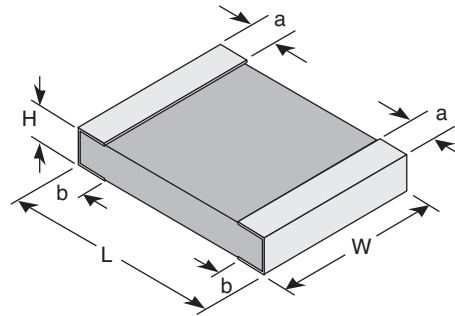
## DIMENSIONS (mm)

### Electrical Specifications:

- Package Type: 0805
- Power Rating (Watts) @70°C: 0.1W
- Max. Working Voltage: 75
- Max. Overload Voltage: 150
- Resistance Temperature Coefficient:  $\pm 10\text{ppm}/^\circ\text{C}$
- Ohmic Range and Tolerance: 0.1%-100 $\Omega$ -100K
- -55°C to + 155°C

### Mechanical Specifications:

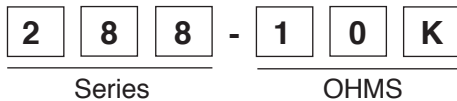
- Body Length (L): 0.079 $\pm$ 0.008  
2.00 $\pm$ 0.20
- Body Width (W): 0.049 $\pm$ 0.008  
1.25 $\pm$ 0.20
- Body Height (H): 0.016 $\pm$ 0.004  
0.40 $\pm$ 0.10
- Top Termination (a): 0.016 $\pm$ 0.008  
0.40 $\pm$ 0.20
- Bottom Termination (b): 0.016 $\pm$ 0.008  
0.40 $\pm$ 0.20



### Features:

- Precision tolerances to  $\pm 0.1\%$
- Wide R-value range
- Temperature coefficient of resistance of  $\pm 10\text{ppm}/^\circ\text{C}$

### Part Numbering System:



Test	Performance Characteristics (JIS C 5202)	Typical
Moisture Resistance, Thermal Shock	$\pm(0.25\%+0.05\Omega)$	$\leq 0.1\%$
Load Life	$\pm(0.5\%+0.05\Omega)$	$\leq 0.2\%$
Load Life in Moisture	$\pm(0.5\%+0.05\Omega)$	$\leq 0.25\%$
Resistance to Soldering Heat	$\pm(0.25\%+0.05\Omega)$	$\leq 0.05\%$
Solderability	Min. 95% Coverage	$\leq 0.95\%$
Terminal Strength	$\pm(0.2\%+0.05\Omega)$	$\leq 0.05\%$
Dielectric Withstanding Voltage	$\pm(0.25\%+0.05\Omega)$	$\leq 0.05\%$
Short Time Overload	$\pm(0.25\%+0.05\Omega)$	$\leq 0.05\%$
Insulation Resistance	1M $\Omega$ Minimum	$\geq 1\text{M}\Omega$

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XC-600007

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