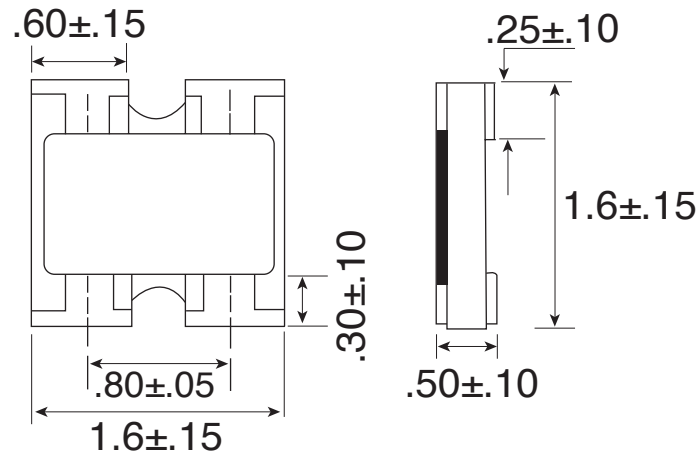


**DIMENSIONS: mm**



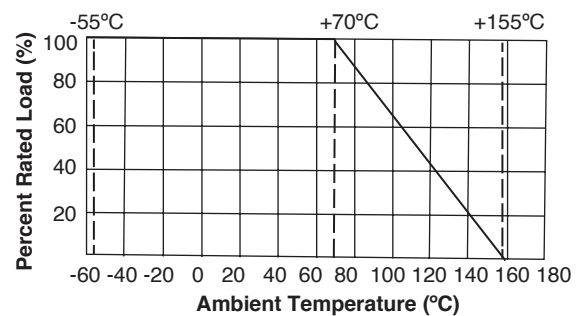
**PART NUMBERING SYSTEM**

<b>3</b>	<b>0</b>	<b>2</b>	-	<b>T</b>	<b>F</b>	<b>R</b>	<b>A</b>	<b>2</b>	-	<b>5</b>	-	<b>1</b>	<b>0</b>	<b>0</b>	-	<b>R</b>	<b>C</b>
Prefix				Series						Tolerance		Value			Suffix (RoHS Compliant)		

**SPECIFICATIONS :**

Power Rating (Watts)	0.0625W(1/16W)
Max.Working Voltage	50V
Max.Overload Voltage	100V
Dielectric Withstanding Voltage	100V
Temperature Range	-55°C~+155°C
Ambient Temperature	70°C

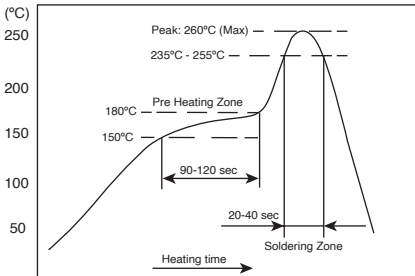
**DERATING CURVE**



**NOTES :**

- Nominal Resistance  
Effective figures of nominal resistance shall be in accordance :  
 •E-24 and E-96 series for 1%  
 •E-24 series for 2% and 5%
- Resistance Range : 10Ω ~1MΩ
- RoHS Compliant

## 5% Thick Film Chip Resistor Array-Convex Terminal

Characteristics	Limits	Test Methods ( JIS C 5201-1 )
Temperature coefficient	Refer to item 5	<p>Natural resistance change per temp. degree centigrade.</p> $\frac{R_2 - R_1}{R_1(t_2 - t_1)} \times 10^6 \text{ (PPM/}^\circ\text{C)}$ <p>R<sub>1</sub>: Resistance value at room temperature (t<sub>1</sub>)  R<sub>2</sub>: Resistance value at room temp.plus 100°C (t<sub>2</sub>) (Sub-clause 4.8)</p>
Short time overload	Resistance change rate is ± 5%(2.0 % + 0.1Ω) Max. ± 1%(1.0 % + 0.1Ω) Max.	Permanent resistance change after the application of a potential of 2.5 times RCWV for 5 seconds.
Insulation resistance	1,000M Ω or more	Apply 500V DC between protective coating and termination for 1 minute, then measure
Dielectric withstanding Voltage	No evidence of flashover mechanical damage, arcing or insulation break down	Clamped in the trough of a 90° metallic V-block and shall be tested at AC potential respectively specified in the table 1. for 60+10/-0 secs.
Terminal bending	Resistance change rate is ±(1.0% + 0.05Ω) Max	Twist of Test Board: Y/X=5/90mm for 10 seconds
*Solderability	95% coverage Min.	Test temperature of solder: 245 ± 3°C Dipping them solder: 2-3 seconds (Sub-clause 4.17)
Soldering temp. reference	Electrical characteristics shall be satisfied. Without distinct deformation in appearance. (95% coverage Min.)	<p><b>Wave soldering condition:</b> (2 cycles Max.)  Pre-heat: 100 ~ 120 °C, 30 ± 5 sec.  Suggestion solder temp.: 235 ~ 255 °C, 10 sec. (Max.)  Peak temp.: 260°C</p> <p><b>Reflow soldering condition:</b> (2 cycles Max.)  Pre-heat: 150 ~ 180 °C, 90 ~ 120 sec.  Suggestion solder temp.: 235 ~ 255 °C, 20 ~ 40 sec.  Peak temp.: 260°C</p> <div style="text-align: center;">  <p>Temperature profile for evaluation</p> </div> <p><b>Hand soldering condition:</b>  The soldering iron tip temperature should be less than 300°C and maximum contract time should be 5 sec.</p>

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