

Precision Wirewound Resistors

5G10 are only 7.94mm long with a diameter of 3.97mm, yet they incorporate advanced design and manufacturing features which provide unsurpassed accuracy, stability, bad life and reliability. Each 5G10 undergoes three separate complete tests during manufacture including an accelerated aging thermal shock procedure.



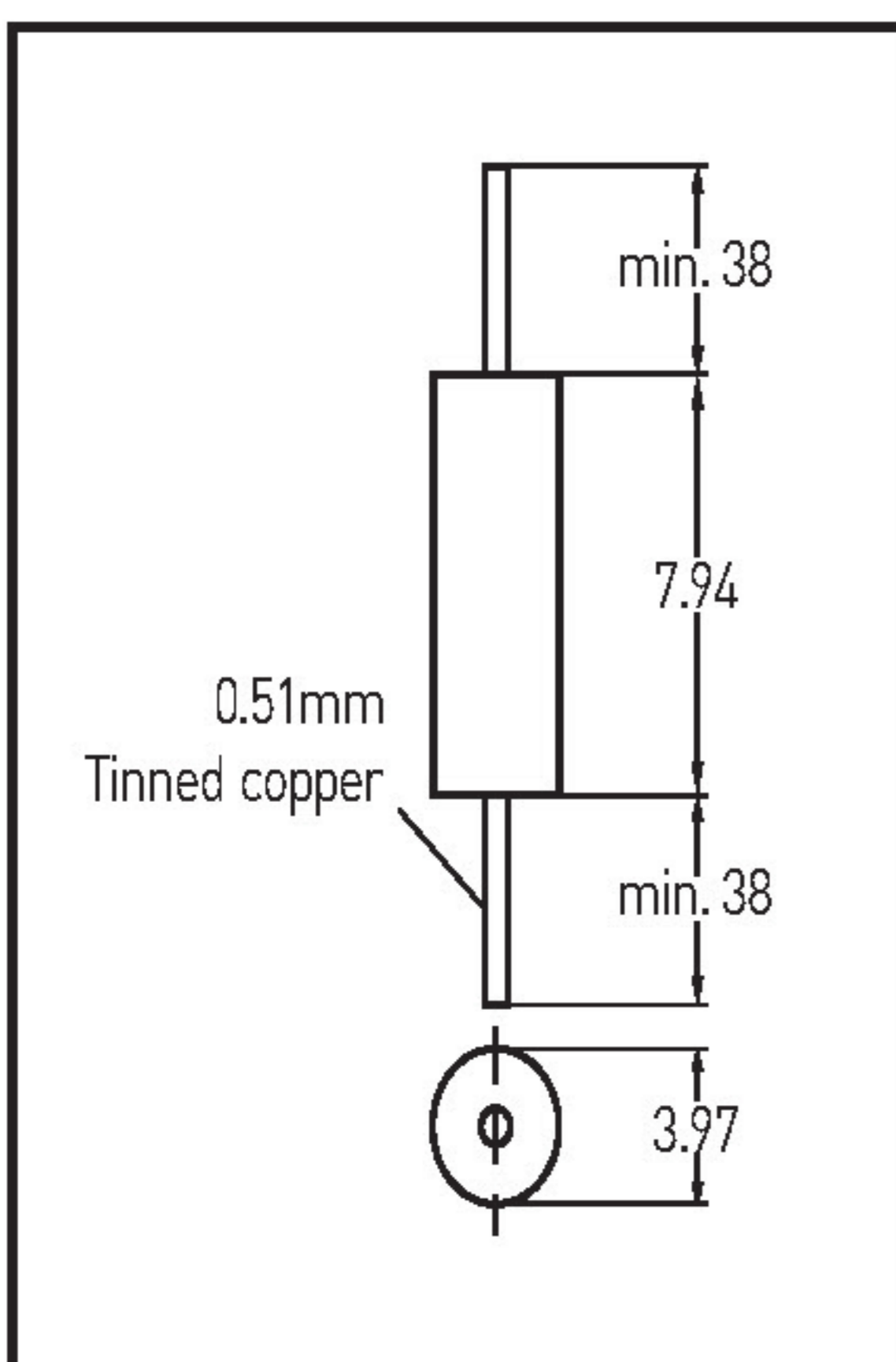
GENERAL SPECIFICATIONS

| Model | Power Rating [W] | Max Voltage [V] | Resistance Range[Ω] | | Tolerance at 25°C(%) |
|-------|------------------|-----------------|---------------------|--------------|----------------------|
| | | | Standard | Non-Standard | |
| 5G10A | 0.2 (+85°C) | 175 | 10Ω to 100KΩ | 10Ω to 200KΩ | [±0.01] |
| 5G10D | 0.14 (+110°C) | DC or AC peak | | | [±0.1] |

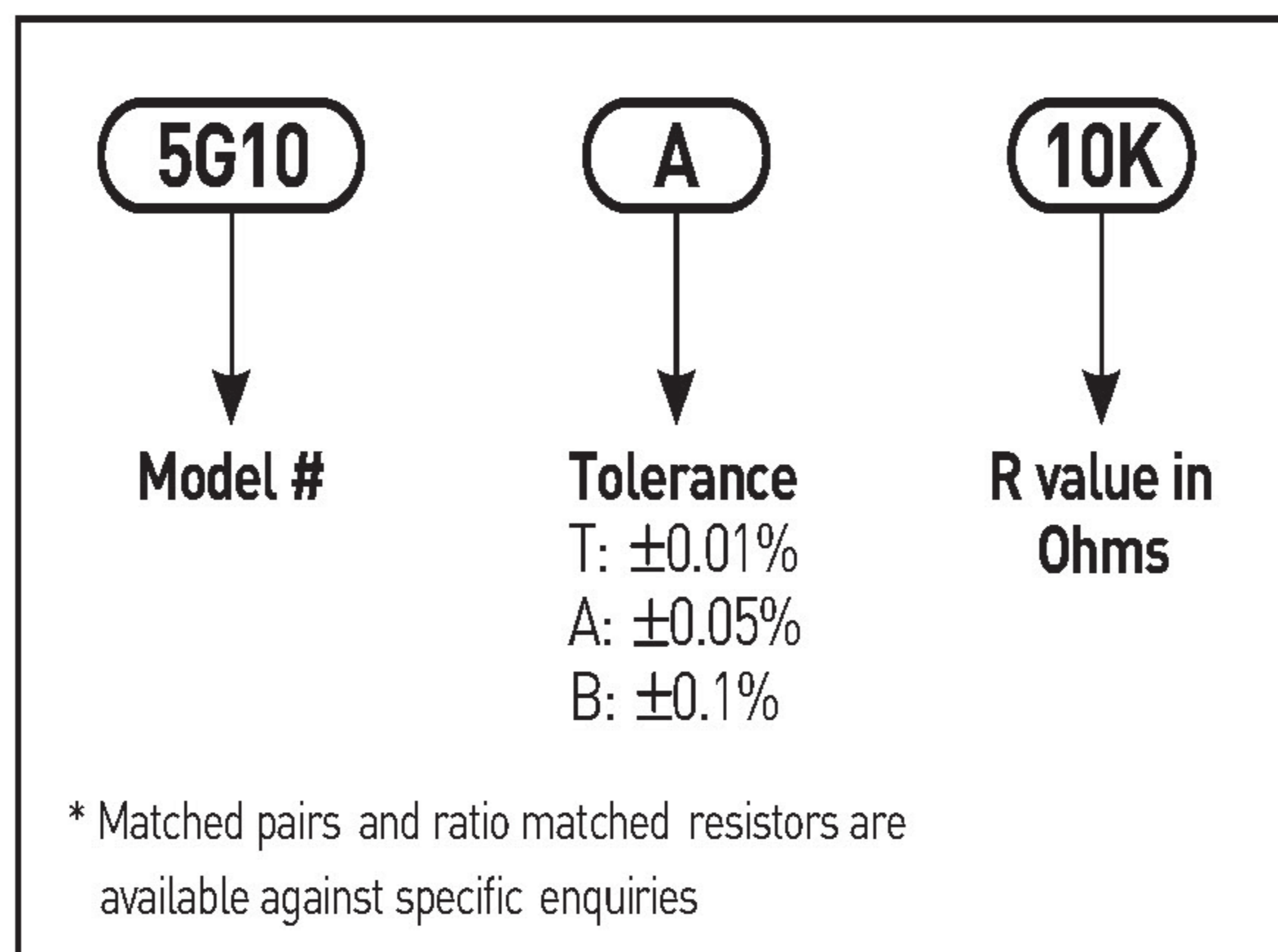
CHARACTERISTICS

| | |
|---------------------|---|
| Temp. Coefficient | ±3ppm/°C typical over 0°C to +85°C, ±5ppm/°C maximum over -55°C to +125°C |
| Thermal EMF | < 0.4µV/°C typical |
| Noise | Essentially non-measurable |
| Encapsulation | Moulded epoxy |
| Leads | 24 AWG tinned copper |
| No Load Stability | ±25ppm/10,000 hours, ±35ppm/26,000 hours. (over full temperature range; -55°C ~ +125°C) |
| Full Load Stability | ±35ppm / 10,000 hours, ±50ppm / 26,000 hours |

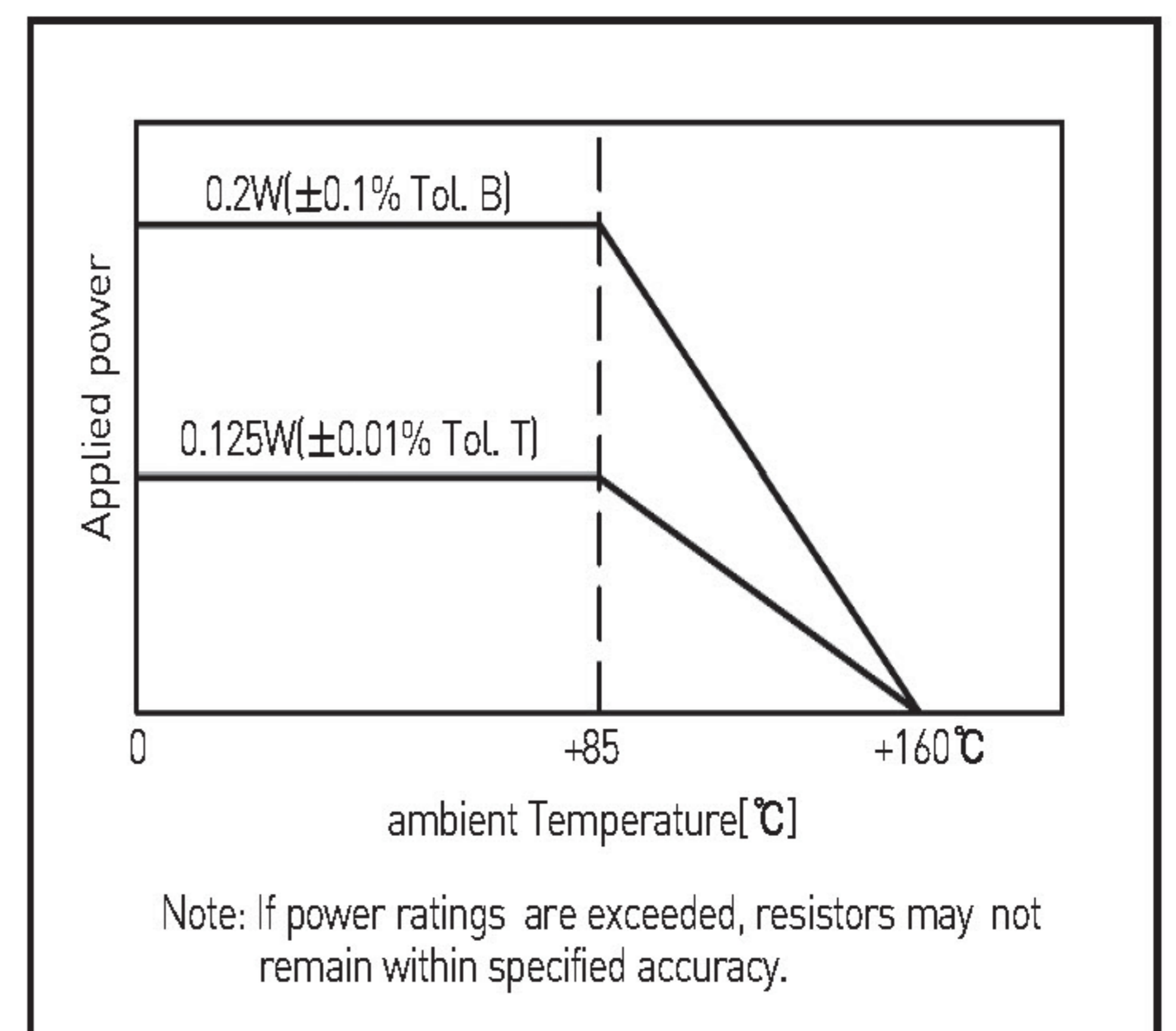
DIMENSIONS(mm)



ORDERING PROCEDURE EXAMPLE



DERATING CURVES



STANDARD RESISTANCE VALUES

| Stocked in 0.1% in listed value shown below | | | | | |
|---|-------|-------|-------|------|---|
| 10Ω | 180Ω* | 680Ω* | 3.3K* | 12K* | 60K |
| 20Ω | 200Ω | 700Ω | 3.9K* | 15K* | 68K |
| 30Ω | 220Ω* | 800Ω | 4.0K | 18K* | 70K |
| 40Ω | 250Ω | 820Ω* | 4.7K* | 20K | 80K |
| 50Ω | 270Ω* | 900Ω | 5.0K | 22K* | 82K |
| 60Ω | 300Ω | 1.0K | 5.6K* | 25K | 90K |
| 62.5Ω* | 330Ω* | 1.2K* | 6.0K | 27K* | 99K |
| 70Ω | 350Ω | 1.5K | 6.8K* | 30K | 100K |
| 80Ω | 390Ω* | 1.8K* | 7.0K | 33K* | |
| 90Ω | 400Ω | 2.0K | 8.0K | 37K | |
| 100Ω | 470Ω* | 2.2K* | 8.2K* | 40K | Any non-listed value from 10Ω to 200KΩ available to order |
| 120Ω | 500Ω | 2.5K | 9.0K | 47K* | |
| 125Ω* | 560Ω* | 2.7K* | 9.9K* | 50K | |
| 150Ω* | 300Ω | 3.0K | 10.0K | 56K* | |

* Stocked in 0.1% tolerance only