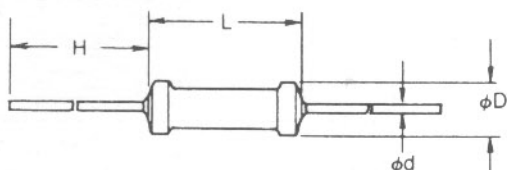


## Introduction:

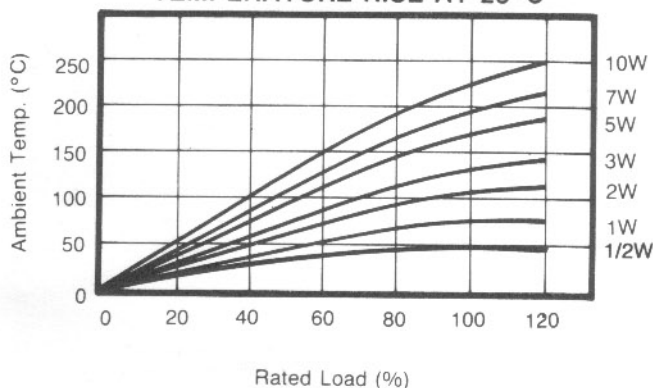
RW (KNP) TYPE IS TO WIND THE RESISTANCE WIRE ON A ALKALILESS CERAMIC BASIC, COATED WITH NON-CORROSIVE AND HIGH INSULATING HEAT PROOF MATERIAL.

1. SUPER HEAT DISSIPATION.
2. SMALL LINEAR TEMPERATURE COEFFICIENT.
3. INSTANT OVERLOAD CAPABILITY.
4. LOW NOISE FIGURE AND WITHOUT ANNUAL SHIFT ON RESISTANCE VALUE.

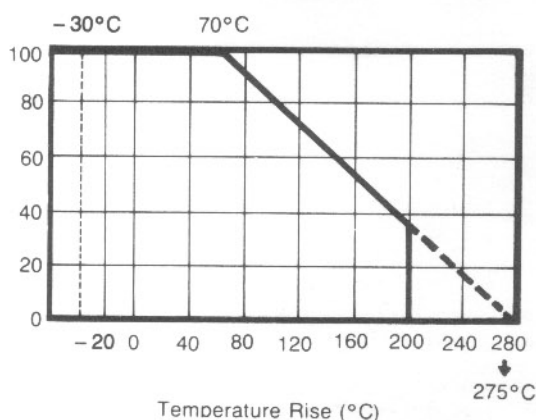
## DIMENSIONS



TEMPERATURE RISE AT 25°C



DERATING CURVE



| Characteristics          | Condition                           | Spec.        |
|--------------------------|-------------------------------------|--------------|
| Resistance Temp. Coeff   | -30°C ~ 200°C                       | ± 300 ppm/°C |
| Short Time Over Load     | 5 times of rated wattage for 5 sec. | ± 2%         |
| Rate Load                | Rate watt 30 min.                   | ± 1%         |
| Voltage Durability       | 500V AC 1 min.                      | not changed  |
| Insulation Resistance    | 500V megger                         | 500 MΩ       |
| Temp. Cycle              | -30°C ~ 85°C 5 cycles               | ± 1%         |
| Load Life                | 70°C on-off cycle 1000 hrs.         | ± 5%         |
| Moisture-proof Load Life | 40°C 95% RH on-off cycle 500 hrs.   | ± 3%         |
| Incombustibility         | 6 times of rated wattage for 5 min. | not flamed   |

| Type |      | Dimensions (mm) |           |         |            | Resistance Range (Ω) |
|------|------|-----------------|-----------|---------|------------|----------------------|
| KNPS | KNP  | D ± 0.5mm       | L ± 1.5mm | H (MIN) | d ± 0.05mm |                      |
| 1/2W | 1/4W | 2.3             | 6.5       | 25      | 0.55       | 0.1~27 Ω             |
| 1W   | 1/2W | 3.5             | 9         | 27      | 0.60       | 0.1~47 Ω             |
| 2W   | 1W   | 4.0             | 11        | 27      | 0.75       | 0.1~150 Ω            |
| 3W   | 2W   | 5.5             | 15        | 27      | 0.75       | 0.1~200 Ω            |
| 5W   | 3W   | 6.5             | 18        | 27      | 0.75       | 0.1~400 Ω            |
| 7W   | 5W   | 8.5             | 25        | 27      | 0.75       | 0.1~1K               |
| 8W   | 7W   | 8.5             | 40        | 27      | 0.75       | 0.1~1K               |
| 10W  | 8W   | 8.5             | 45        | 27      | 0.75       | 0.1~2K               |
|      | 10W  | 8.5             | 53        | 27      | 0.75       | 0.1~4K7              |

Note: Resistance up to 27 Ω maximum for Non-Inductive type  
Lower or Higher resistance values other than the list are also available

# WIREWOUND RESISTORS FLAME-PROOF COATING RW (KNP) TYPE