

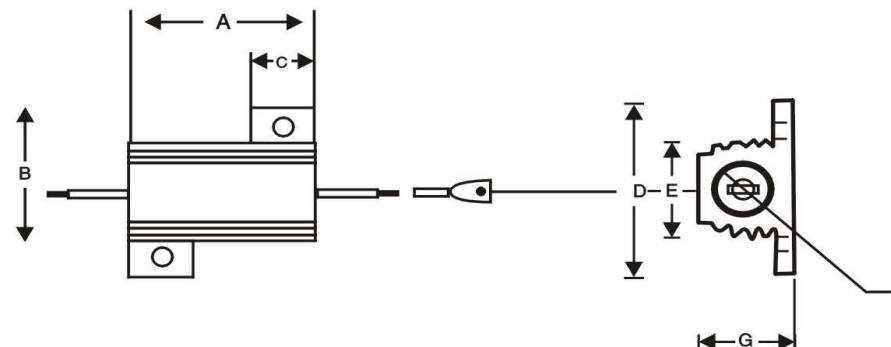
# EDCON-COMPONENTS



## Feature

- High power rating, small size and ultra precision
- Standard winding & non-induct rewinding types
- High stability, strong construction

## Drawing



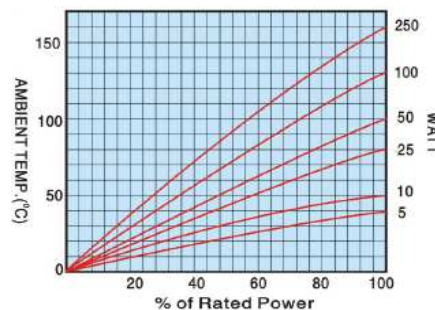
## Standard Electrical

| MIL Style | Wartage Rating | Resistance Range (Ω) |                | Max Wcring (V) |     | Max Weight (g) | Proper heatsink (aluminum chassis) |
|-----------|----------------|----------------------|----------------|----------------|-----|----------------|------------------------------------|
|           |                | AN Inauctive         | AHN Norrductie | AH             | AHN |                |                                    |
| RE60      | 5              | 0.05 ~ 3k            | 0.1 ~ 1k       | 120            | 70  | 3              | 152X102X51Xlt                      |

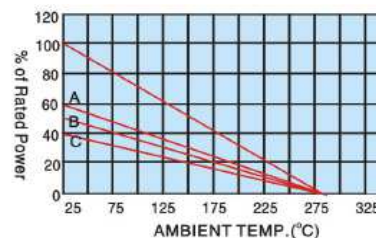
## Material

Encapsuat: Silicone  
 Endcaps: Stainless steel  
 Core: Ceramic steatite or alumina  
 Housing: Aluminum with hard anodic coating  
 Element: Copper-nickel alloy, nickel-chrome alloy or manganese copper  
 Standard: 5 ~ 50W Tinned terminals  
 Terminals: 100 ~ 250W Threaded terminals

**Surface temperature versus power load (on Chassis)**



**Derating**



Derang&nequired to reducee  
 chassismountnganeardlur  
 highambienl temperantcs.  
 Currvs  
 A-S&10watlur is. unmountd.  
 B-25watl. unis. umounted  
 C-50, 100&250watlunas.  
 unmountd

|          |      |    |          |      |     |
|----------|------|----|----------|------|-----|
| <b>A</b> | ±1.0 | 15 | <b>E</b> | ±0.5 | 9.5 |
| <b>B</b> | ±0.5 | 13 | <b>F</b> | ---  | 6   |
| <b>C</b> | ±0.5 | 4  | <b>G</b> | ---  | 8   |
| <b>D</b> | ±1.0 | 17 | ---      | ---  | --- |

## Aluminum Housed Wire Wound Resistors

Part No.: **X50001**

Customer:

|       |        |      |        |        |        |           |           |      |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE | 24.11.2010 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. |      | 1 from 3   |

# EDCON-COMPONENTS



## Ordering Informations

| Serie | Resistence | Tolerance Code | Styles of Pin | ROHS | Packing |  |  |  |  |  |
|-------|------------|----------------|---------------|------|---------|--|--|--|--|--|
|-------|------------|----------------|---------------|------|---------|--|--|--|--|--|

|               |            |          |          |          |           |  |  |  |  |  |
|---------------|------------|----------|----------|----------|-----------|--|--|--|--|--|
| <b>X50001</b> | <b>501</b> | <b>J</b> | <b>1</b> | <b>R</b> | <b>BX</b> |  |  |  |  |  |
|---------------|------------|----------|----------|----------|-----------|--|--|--|--|--|

|                       |                  |                  |  |                 |
|-----------------------|------------------|------------------|--|-----------------|
| <b>501 = 500 Watt</b> | <b>K = ±10%</b>  | <b>1 = Round</b> | <b>R = ROHS Conform</b><br><b>N = Non ROHS Conform</b> | <b>BX = Box</b> |
|                       | <b>J = ±5%</b>   |                  |  |                 |
|                       | <b>H = ±3%</b>   |                  |  |                 |
|                       | <b>G = ±2%</b>   |                  |  |                 |
|                       | <b>F = ±1%</b>   |                  |  |                 |
|                       | <b>D = ±0.5%</b> |                  |  |                 |

**Aluminum Housed Wire Wound Resistors**

Part No.: **X50001**

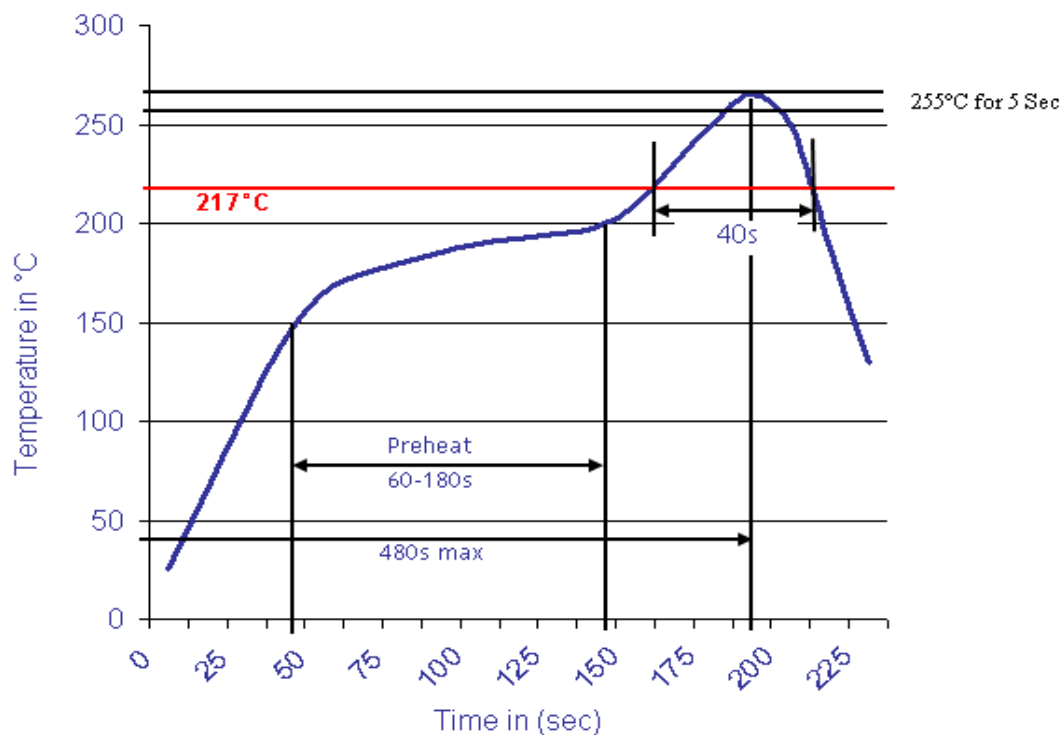
Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 24.11.2010 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 2 from 3 |            |



Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



**Aluminum Housed Wire  
Wound Resistors**

Part No.: **X50001**

Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 24.11.2010 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 3 from 3 |            |