



### Technical Specification

#### Electrical Characteristics

Standard Resistance Range: 10Ω to 2,0MΩ  
 Look Standard resistance table  
 Standard Resistance Tolerance: 10%  
 Multiturn Cermet Industrial Style  
 Absolute Minimum Resistance: 1% or 2 Ohms max. whichever is greater  
 Contact Resistance Variation: 3% or 30hms max. whichever is greater  
 Resolution: Essentially Infinite  
 Insulation Resistance: 500VDC / 1000MΩ min.  
 Dielectric Strength: 101,3KPa 600VAC 8,5KPa 250Vac  
 Effective Travel: 12 turns nominal.

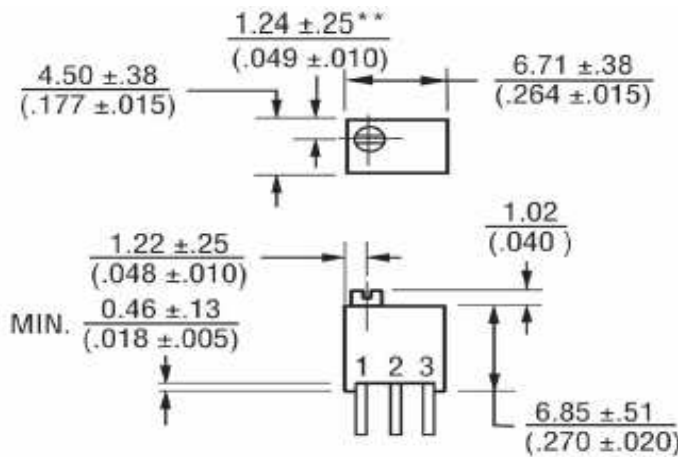
#### Environmental Characteristics

Power Rating: ( 200Volts max.)  
 0,5Watt/ 70°C / 0Watt / 125°C  
 Temperature Range: -55°C ~ +150°C  
 Temperature Coefficient: +/-100ppm/°C  
 Vibration: 98m/s<sup>2</sup> (1%Δ TR;1%Δ VR)  
 Shock 390m/s<sup>2</sup> (1%Δ TR;1%Δ VR)  
 Load Life: 1000hrs 0,25W @ 70°C (3% Δ TR; 3% or 3 Ohms).  
 Rotational Life: 200cycles (3% Δ TR; 3% or 3 Ohms). whichever is greater, CRV  
 Thermal Shock: 5cycles (2% Δ TR; 1% Δ VR).

#### Physical Characteristics

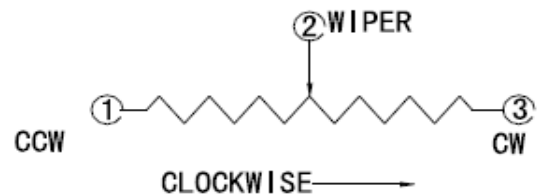
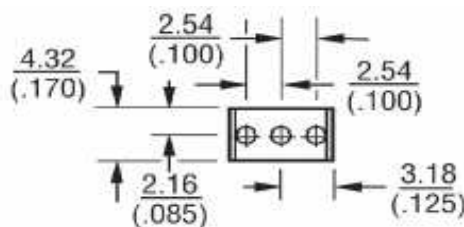
Torque: 30nM \* m. max.

### Technical Dimensions Type Y



### PCB Layout

### Physical Structure



#### THT Multi-Turn Resistor 3266 Type Y

Serie No.: X20002

Customer:

|       |       |      |       |        |       |       |            |
|-------|-------|------|-------|--------|-------|-------|------------|
| DRW:  | Jason | CHKD | Jules | MATL:  | Wu    | DATE  | 07.09.2009 |
| APPD: | Join  |      |       | FINISH | Shieh | Sheet | 1 from 3   |

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### Range Code Table

| Ordering Code | Range |
|---------------|-------|
| 100           | 10Ω   |
| 200           | 20Ω   |
| 500           | 50Ω   |
| 101           | 100Ω  |
| 201           | 200Ω  |
| 501           | 500Ω  |
| 102           | 1,0KΩ |
| 202           | 2,0KΩ |
| 502           | 5,0KΩ |
| 103           | 10KΩ  |
| 203           | 20KΩ  |
| 503           | 50KΩ  |
| 104           | 100KΩ |
| 224           | 200KΩ |
| 504           | 500KΩ |
| 105           | 1,0MΩ |
| 205           | 2,0MΩ |

**THT Multi-Turn Resistor  
3266 Type Y**

Serie No.: **X20002**

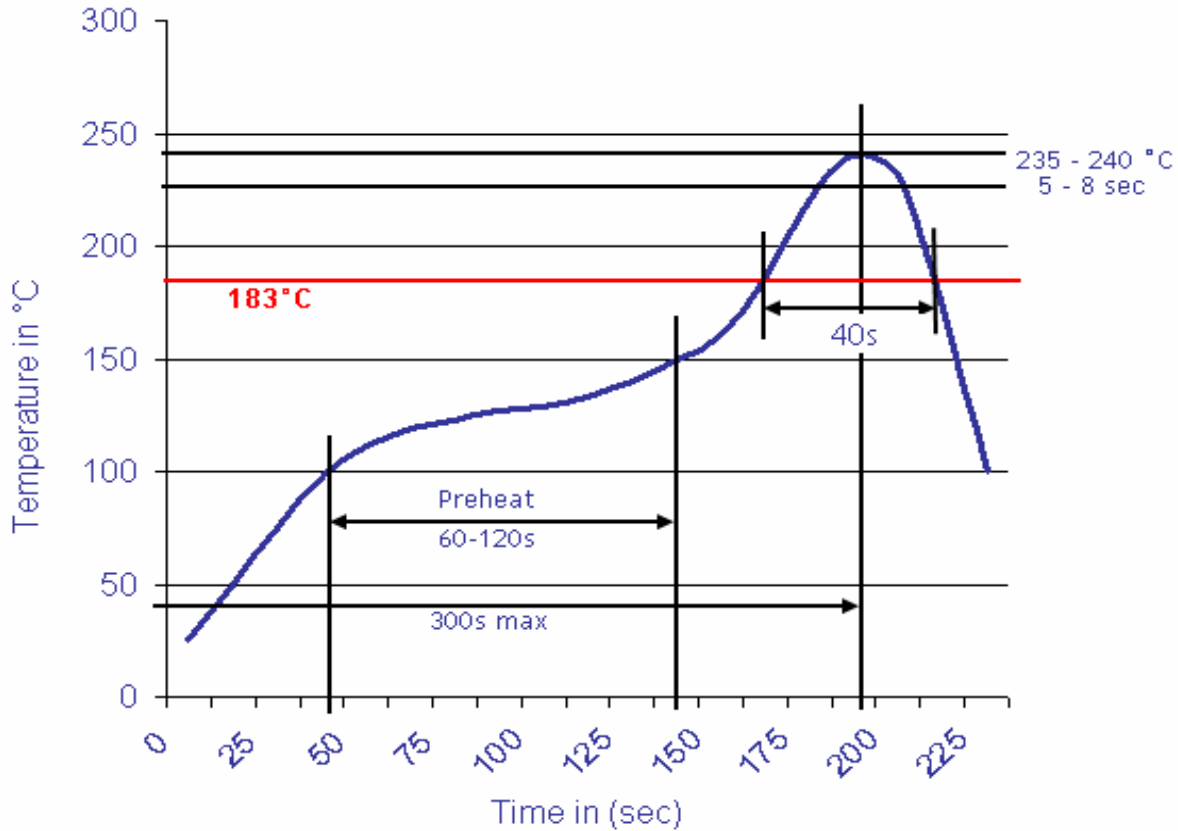
Customer:

|       |       |      |       |        |       |       |            |
|-------|-------|------|-------|--------|-------|-------|------------|
| DRW:  | Jason | CHKD | Jules | MATL:  | Wu    | DATE  | 07.09.2009 |
| APPD: | Join  |      |       | FINISH | Shieh | Sheet | 2 from 3   |



**Soldering Profile**

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



**Ordering Information**

| Serie  | Ordering Code | Tolerance | ROHS | Packing |  |  |
|--------|---------------|-----------|------|---------|--|--|
| X20002 | 100           | K         | R    | TU050   |  |  |

|          |             |                    |                         |
|----------|-------------|--------------------|-------------------------|
| 100= 10Ω | K= Tol. 10% | R= ROHS conform    | BU101= Bulk Ware 100PCS |
|          |             | N=NON ROHS conform | TU050= Tupe 50PCS       |

|  |               |
|--|---------------|
| <b>THT Multi-Turn Resistor<br/>3266 Type Y</b> |               |
| Serie No.:                                     | <b>X20002</b> |
| Customer:                                      |               |

|       |       |      |       |        |       |       |            |
|-------|-------|------|-------|--------|-------|-------|------------|
| DRW:  | Jason | CHKD | Jules | MATL:  | Wu    | DATE  | 07.09.2009 |
| APPD: | Join  |      |       | FINISH | Shieh | Sheet | 3 from 3   |