



DATA SHEET

Precision Metal Film Resistor N-Size 3,5x10mm 0,50Watt

Serie: X34014

**Precision Metal Film Resistor N-
Size 3,5x10mm 0,50Watt**

Serie No.: **X34014**

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 06.10.2011 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 1 from 6 | |

Customer:

EDCON-COMPONENTS



Specifications

| | |
|---------------------------------|---|
| Temperature coefficient | Within the maximum temperature coefficient specified |
| Short time overload | . \pm (0,5% + 0,05 Ω) Max, with no evidence of mechanical damage. |
| Insulation resistance | Min. 10.000 Mega Ohm |
| Dielectric withstanding voltage | No evidence of flashover , mechanical damage, arcing or insulation breackdown. |
| Pulse overload | . \pm (1,0% + 0,05 Ω) Max., with no evidence of mechanical damage. |
| Terminal strength | No evidence of mechanical damage. |
| Resistance to soldering heat | . \pm (1,0% + 0,05 Ω) Max, with no evidence of mechanical damage. |
| Solderability | Min. 95% coverage. |
| Resistance to solvent | No deterioration of protective coating and markings. |
| Temperature cycling | . \pm (1,0% + 0,05 Ω) Max, with no evidence of mechanical damage. |
| Humidity (steady state) | . \pm (2,0% + 0,05 Ω) Max, with no evidence of mechanical damage. |
| Load life in humidity | Normal Type: \pm (1,5% + 0,05 Ω) Max. Non Flame Type: \pm (5,0% + 0,05 Ω) Max. |
| Load life | Normal Type: \pm (1,5% + 0,05 Ω) Max. Non Flame Type: \pm (5,0% + 0,05 Ω) Max. |

Features

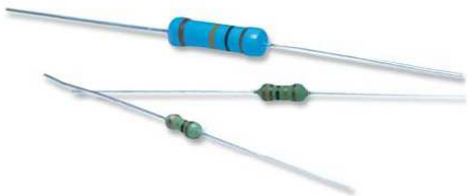
- EIA standard color coding
- NON-Flame & NON-inductive available
- Low noise & voltage coefficient
- Low temperature coefficient range
- Wide precision range in small package
- Too low or too high ohmic value can be supplied on a case to case basis
- Nichrome resistor element provides stable performance in various environment
- Multipole epoxy coating on vacuum deposited metal film provides superior moisture protection

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Dimensions



| Power Rating at 70°C | Dimension (mm) | | | | |
|-------------------------|----------------|--------|--------|-----|-------------|
| | D max. | L max. | d±0.05 | H±3 | Packing Qty |
| 0,50W | 3,5 | 10,0 | 0,54 | 28 | 5000PCS |

| Maximum Working Voltage | Maxi,u, Overload Voltage | Dielectric Withstanding Voltage | Tolerance | Resistange Range | T.C.R. | Special Order | | |
|-------------------------|--------------------------|---------------------------------|-----------|------------------|-------------|---------------|------------------|------------|
| | | | | | | Tolerance | Resistance Range | T.C.R. |
| 350V | 700V | 700V | ± 1% | 10Ω ~ 1MΩ | ± 50PPM/°C | ± 0,10% | 100Ω ~ 330KΩ | ± 15PPM/°C |
| | | | ± 2% | 10Ω ~ 1MΩ | ± 100PPM/°C | ± 0,25% | 51,1Ω ~ 511KΩ | ± 25PPM/°C |
| | | | ± 5% | 1Ω ~ 1MΩ | ± 200PPM/°C | ± 0,50% | 10Ω ~ 1,0MΩ | ± 50PPM/°C |

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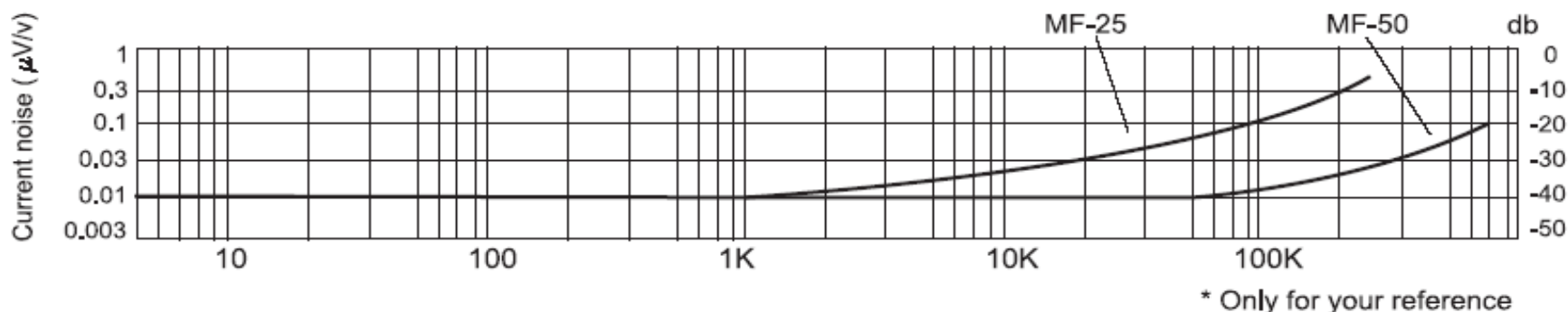
Part No.: **X34014**

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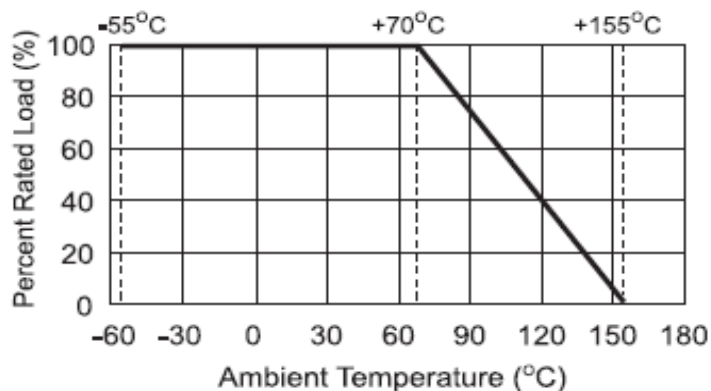
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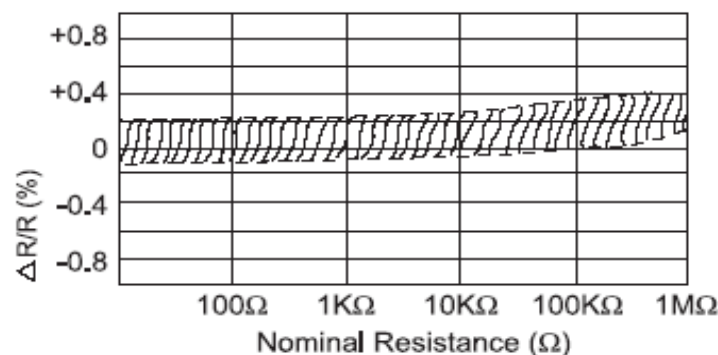
Current Noise Level Curves



Derating Curve



Load Life



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EDCON-COMPONENTS



Ordering Informations

| Serie | Range | Tolerance | PPM requirement | Feature | Special function | ROHS | Packing Code |
|-------|-------|-----------|-----------------|---------|------------------|------|--------------|
|-------|-------|-----------|-----------------|---------|------------------|------|--------------|

| | | | | | | | |
|---------------|-------------|----------|------------|----------|-----------|----------|-----------|
| X34014 | 1001 | F | 050 | F | 00 | R | TA |
|---------------|-------------|----------|------------|----------|-----------|----------|-----------|

| | | | | | | |
|--------------------------------|-----------------|--------------------|----------------------------|------------------------|------------------------|----------------------|
| 1001= 1KΩ | F= 1% | 015= 15ppm | S= Standard | 00= no function | R= ROHS Conform | BU= Bulk Ware |
| 1R00= 1,0Ω | G= 2% | 025= 25ppm | F= Non Flammability | | | |
| 10R0= 10Ω | J= 5% | 050= 50ppm | I= Non Inductive | TR= Tape Reel | | |
| 1000= 100Ω | B= 0,1% | 100= 100ppm | | | | |
| Range from 1Ω ~ 1MΩ Row E96 | C= 0,25% | 200= 200ppm | | | | |
| | D= 0,5% | | | | | |

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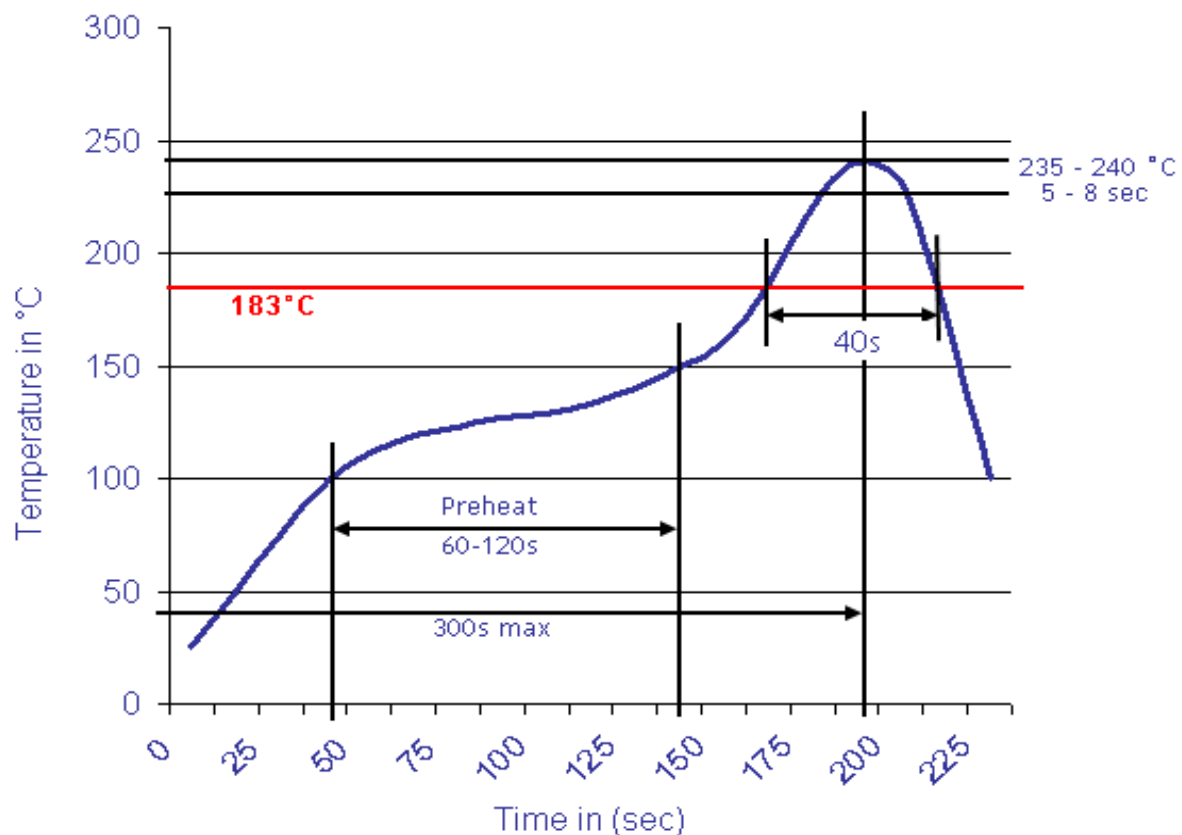
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Soldering Profile Curve

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



| | |
|--|---------------|
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