



# DATA SHEET

## Carbon Film Fixed Resistor N-Size 3,5x10mm 0,5Watt

### Serie: X33003

**Carbon Film Fixed Resistor N-  
Size 3,5x10mm 0,5Watt**

Serie No.: **X33003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.10.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 6

Customer:

# EDCON-COMPONENTS



## Specifications

Temperature coefficient	$\leq 10\Omega \pm 350\text{PPM}/^\circ\text{C}$ $11\Omega \sim 99\text{K}\Omega \quad 0\sim 450\text{PPM}/^\circ\text{C}$ $100\text{K}\Omega \sim 1,0\text{M}\Omega \quad 0\sim 700\text{PPM}/^\circ\text{C}$ $1,0\text{M}\Omega \sim 10\text{M}\Omega \quad 0\sim 1500\text{PPM}/^\circ\text{C}$
Short time overload	$\pm (1,0\% + 0,05\Omega)$ 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.
Terminal strength	No evidence of mechanical damage.
Resistance to soldering heat	$\pm (1,0\% + 0,05\Omega)$ Max, with no evidence of mechanical damage.
Solderability	Min. 95% coverage.
Resistance to solvent	No deterioration of protective coating and markings.
Temperature cycling	. $\pm (1,0\% + 0,05\Omega)$ Max, with no evidence of mechanical damage.
Load life in Humidity	Normal Type $<100\text{K}\Omega: \pm(3,0\% + 0,05\Omega)\text{max.}$ $\geq 100\text{K}\Omega: \pm(5,0\% + 0,05\Omega)\text{max.}$
	Non-Flame Type $<100\text{K}\Omega: \pm(5,0\% + 0,05\Omega)\text{max.}$ $\geq 100\text{K}\Omega: \pm(10,0\% + 0,05\Omega)\text{max.}$
Load life	Normal Type $<56\text{K}\Omega: \pm(2,0\% + 0,05\Omega)\text{max.}$ $\geq 56\text{K}\Omega: \pm(3,0\% + 0,05\Omega)\text{max.}$
	Non-Flame Type $<100\text{K}\Omega: \pm(5,0\% + 0,05\Omega)\text{max.}$ $\geq 100\text{K}\Omega: \pm(10,0\% + 0,05\Omega)\text{max.}$

## Features

- Automatically insertable
- High Quality performance
- Non-Flame type available
- Too low or to high values can be supplied on case to case basis

## Note

- Standard big base color
- Standard grayish-green base color ( Non-flammable coating)

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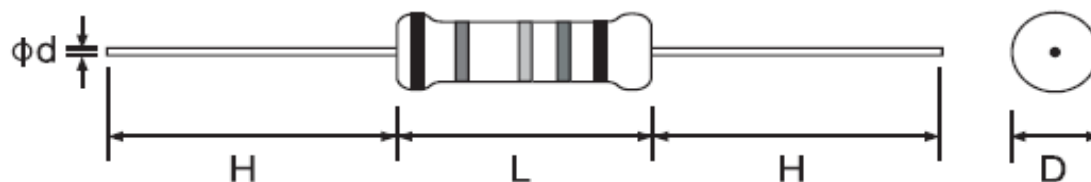
Part No.: **X33003**

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## Dimensions



Power Rating at 70°C	Dimension (mm)				
	D max.	L max.	d±0.05	H±3	Packing Qty
0,5W	3,5	10,0	0,54	28	1000PCS

Maximum Working Voltage	Maxi,u, Overload Voltage	Dielectric Withstanding Voltage	Tolerance	Resistange Range	For other ranges please consult EDCON
350V	700V	700V	± 1%	1Ω ~ 10MΩ	
			± 2%	1Ω ~ 10MΩ	
			± 5%	1Ω ~ 10MΩ	

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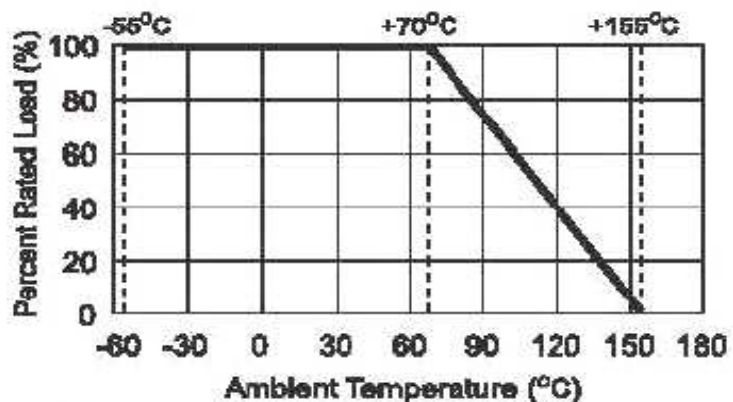
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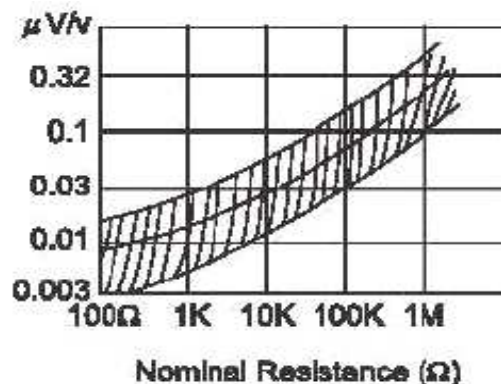
# EDCON-COMPONENTS



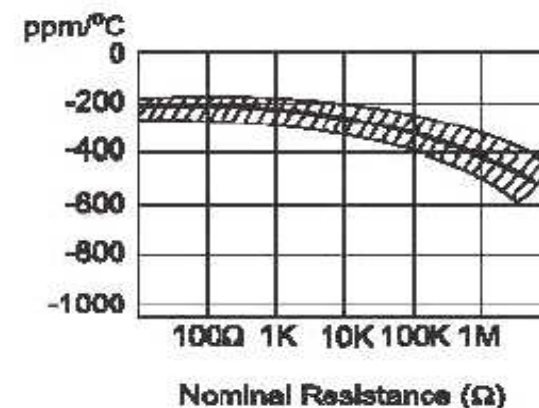
Derating Curve



Current Noise



Heat Rise Chart



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[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Feature	Special function	ROHS	Packing Code
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<b>X33003</b>	<b>106</b>	<b>J</b>	<b>S</b>	<b>00</b>	<b>R</b>	<b>TA</b>
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<b>106=</b> 10MΩ f. Tol. 5%	<b>F=</b> 1%	<b>S=</b> Standard	<b>00=</b> no function	<b>R=</b> ROHS Conform	<b>BU=</b> Bulk Ware
<b>1005=</b> 10MΩ f. Tol. 1%	<b>G=</b> 2%	<b>I=</b> Non Inductive		<b>N=</b> NON ROHS Conform	<b>TA=</b> Tape Ammo Pack
	<b>J=</b> 5% (Standard)	<b>F=</b> Non Flame			<b>TR=</b> Tape Reel

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Soldering Profile Curve

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



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