



# DATA SHEET

## Wire Wound Resistor Normal-Size 5x12mm 1Watt

### Serie: X39002

**Wire Wound Resistor Normal-  
Size 5x12mm 1Watt**

Serie No.: **X39002**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	21.10.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 6		

# EDCON-COMPONENTS



## Specifications

Temperature coefficient	<20Ω: ±400PPM/°C; ≥20Ω: ±300PPM/°C
Short time overload	. ± (2,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Dielectric withstanding voltage	No evidence of flashover , mechanical damage, arcing or insulation breackdown.
Pulse overload	. ± (5,0% + 0,05Ω) Max., with no evidence of mechanical damage.
Terminal strength	No evidence of mechanical damage.
Resistance to soldering heat	. ± (1,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Solderability	Min. 95% coverage.
Resistance to solvent	No deterioration of protective coating and markings.
Temperature cycling	. ± (2,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Load life in humidity	. ± (5,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Load life	. ± (5,0% + 0,05Ω) Max, with no evidence of mechanical damage.
Non-flame	No evidence of flammng or cracing

## Features

- Color Coating are Green
- Non-inductive type available
- Excellent flame resistance
- Too low or too high ohmic value can be supplied on a case to case basis
- Special Fusing Wire-wound resistor can be supplied on a case to case basis
- Standard 2%, 5% 10% delivery by row E24
- Tolerance 1% delivery byn row E96

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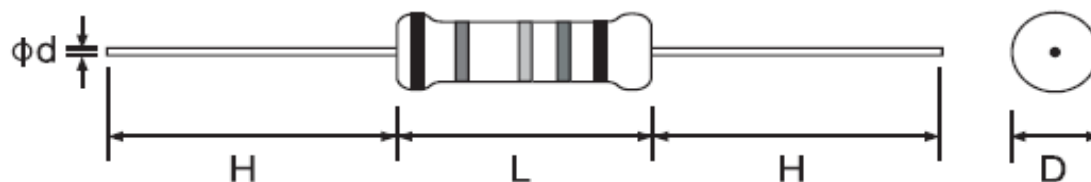
Part No.: **X39002**

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## Dimensions



Power Rating at 70°C	Dimension (mm)				
	D max.	L max.	d±0.05	H±3	Packing Qty
1W	5,0	12,0	0,70	28	1000PCS

Maximum Working Voltage	Maxi,u, Overload Voltage	Dielectric Withstanding Voltage	Tolerance	Resistange Range
500V	1000V	1/2W, 1W-S: 350V >1W-S: 5090V	± 1%	0,1Ω ~ 50Ω
			± 2%	0,1Ω ~ 50Ω
			± 5%	0,1Ω ~ 50Ω

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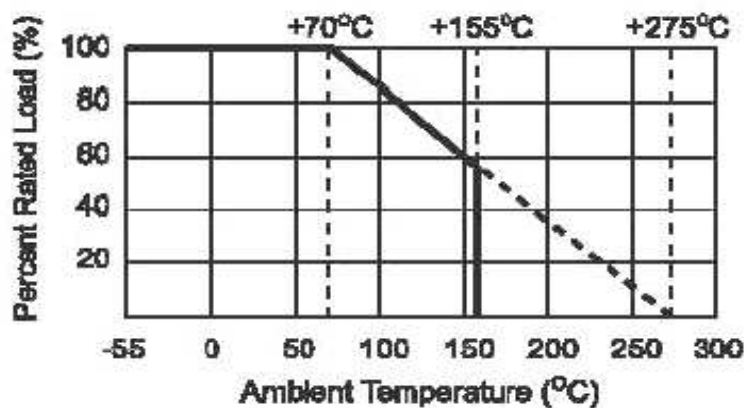
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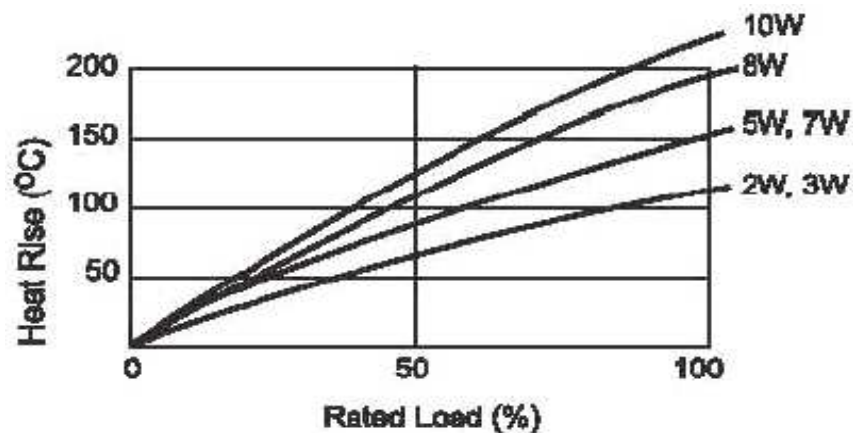
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Derating Curve



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>X39002</b>	<b>500</b>	<b>J</b>	<b>S</b>	<b>00</b>	<b>R</b>	<b>TA</b>
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<b>500=</b> 50Ω for 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>50R0=</b> 50Ω for 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>TR=</b> Tape Reel

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Soldering Profile Curve

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



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