



DATA SHEET

Wire Wound Resistor Normal-Size 5,5x16mm 2Watt

Serie: X39003

**Wire Wound Resistor Normal-
Size 5,5x16mm 2Watt**

Serie No.: **X39003**

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

Customer:

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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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Dimensions



Power Rating at 70°C	Dimension (mm)				
	D max.	L max.	d±0.05	H±3	Packing Qty
2W	5,5	16,0	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 ~ 120Ω
			± 2%	0,1Ω ~ 120Ω
			± 5%	0,1Ω ~ 120Ω

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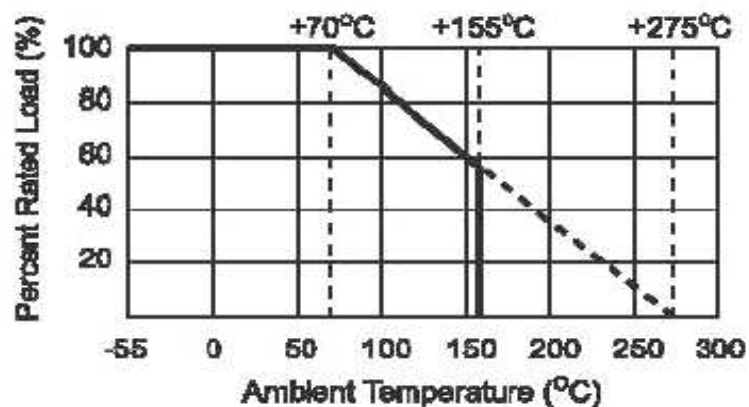
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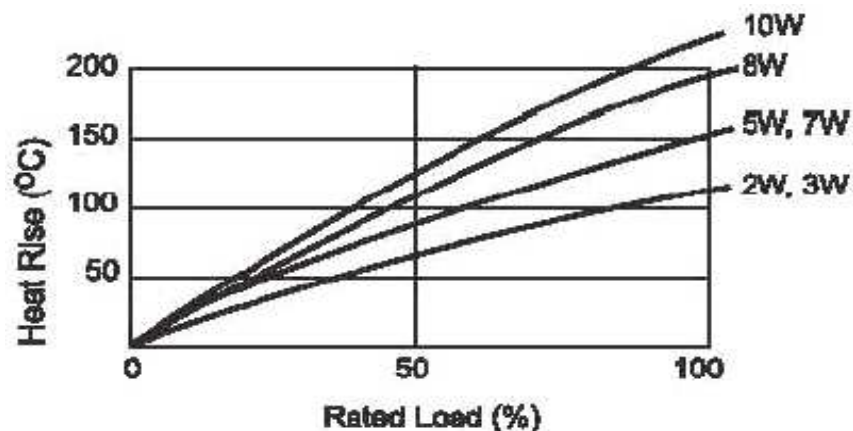
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Derating Curve



Heat Rise Chart



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Ordering Informations

Serie	Range	Tolerance	Feature	Special function	ROHS	Packing Code
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X39003	121	J	S	00	R	TA
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121= 120Ω for Tol. 5%	F= 1%	S= Standard	00= no function	R= ROHS Conform	BU= Bulk Ware
1200= 120Ω for Tol. 1%	G= 2%	I= Non Inductive		N= NON ROHS Conform	TA= Tape Ammo Pack
	J= 5% (Standard)				TR= Tape Reel

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Soldering Profile Curve

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



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