



DATA SHEET

Carbon Film Fixed Resistor N-Size 2,5x6,8mm 0,25Watt

Serie: X33002

**Carbon Film Fixed Resistor N-
Size 2,5x6,8mm 0,25Watt**

Serie No.: **X33002**

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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Dimensions



Power Rating at 70°C	Dimension (mm)				
	D max.	L max.	d±0.05	H±3	Packing Qty
0,25W	2,5	6,8	0,54	28	1000PCS

Maximum Working Voltage	Maxi,u, Overload Voltage	Dielectric Withstanding Voltage	Tolerance	Resistange Range	For other ranges please consult EDCON
250V	500V	500V	± 1%	1Ω ~ 10MΩ	
			± 2%	1Ω ~ 10MΩ	
			± 5%	1Ω ~ 10MΩ	

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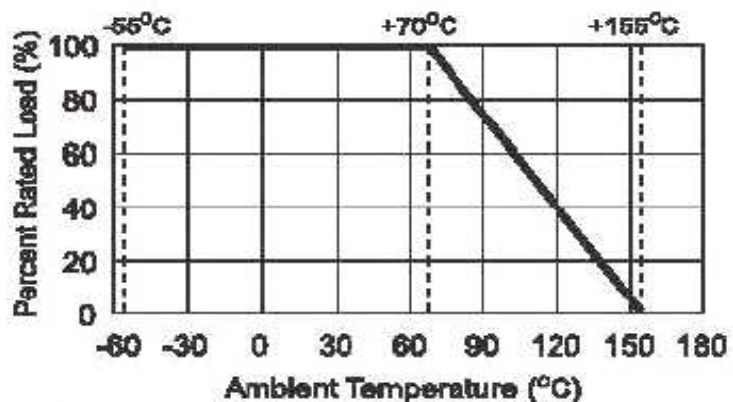
Part No.: **X33002**

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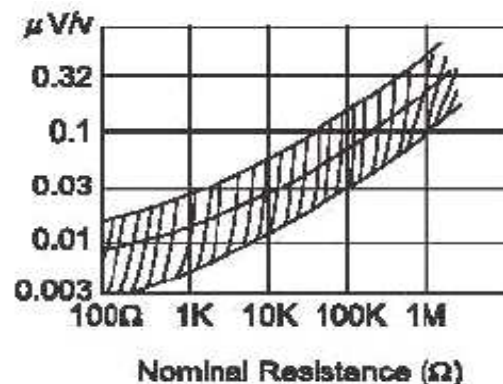
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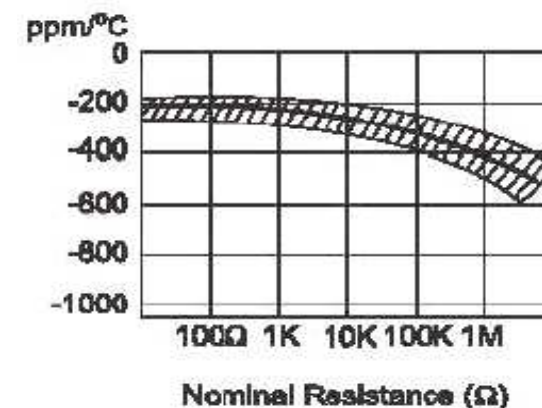
Derating Curve



Current Noise



Heat Rise Chart



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Ordering Informations

Serie	Range	Tolerance	Feature	Special function	ROHS	Packing Code
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X33002	106	J	S	00	R	TA
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106= 10MΩ f. Tol. 5%	F= 1%	S= Standard	00= no function	R= ROHS Conform	BU= Bulk Ware
1005= 10MΩ f. Tol. 1%	G= 2%	I= Non Inductive		N= NON ROHS Conform	TA= Tape Ammo Pack
	J= 5% (Standard)	F= Non Flame			TR= Tape Reel

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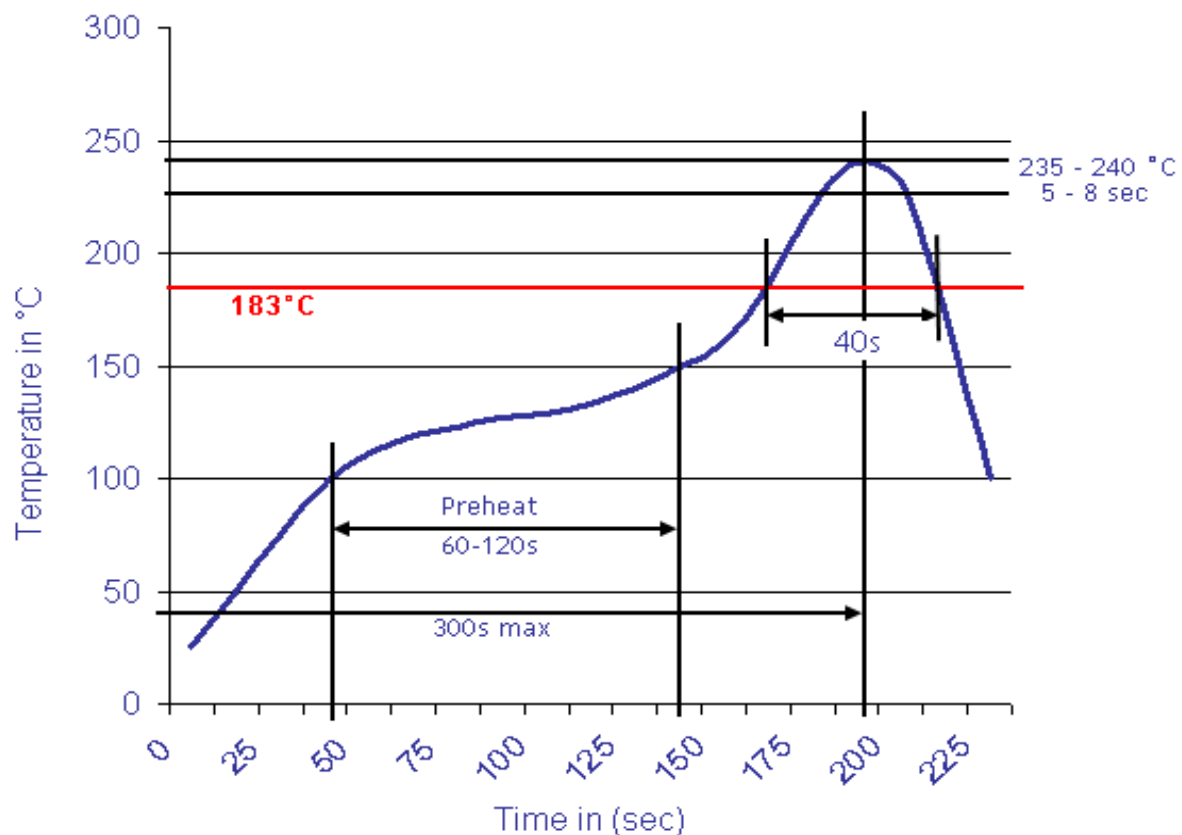
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Soldering Profile Curve

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



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