



DATA SHEET

Precision Metal Film Resistor N-Size 1,85x3,5mm 0,125Watt

Serie: X34012

Precision Metal Film Resistor N-Size 1,85x3,5mm 0,125Watt

Serie No.: **X34012**

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

**Precision Metal Film Resistor N-
Size 1,85x3,5mm 0,125Watt**

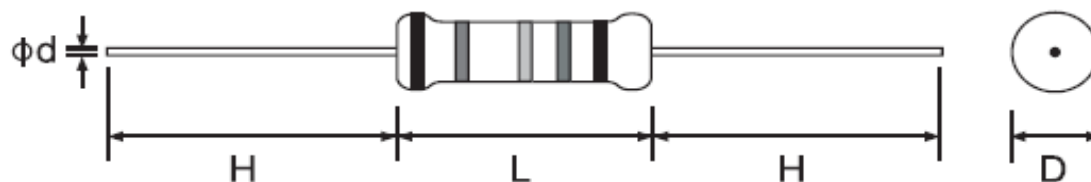
Part No.: **X34012**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	06.10.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 6		

EDCON-COMPONENTS



Dimensions



Power Rating at 70°C	Dimension (mm)				
	D max.	L max.	d±0.05	H±3	Packing Qty
0,125W	1,9	3,5	0,45	28	5000PCS

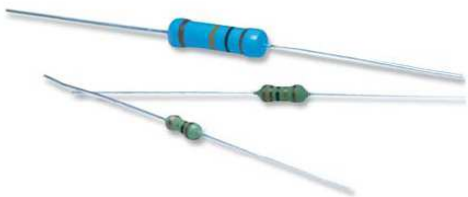
Maximum Working Voltage	Maxi,u, Overload Voltage	Dielectric Withstanding Voltage	Tolerance	Resistange Range	T.C.R.	Special Order		
						Tolerance	Resistance Range	T.C.R.
200V	400V	400V	± 1%	10Ω ~ 1MΩ	± 50PPM/°C			± 15PPM/°C
			± 2%	10Ω ~ 1MΩ	± 100PPM/°C	± 0,25%	51,1Ω ~ 200KΩ	± 25PPM/°C
			± 5%	1Ω ~ 1MΩ	± 200PPM/°C	± 0,50%	51,1Ω ~ 511KΩ	± 50PPM/°C

**Precision Metal Film Resistor N-
Size 1,85x3,5mm 0,125Watt**

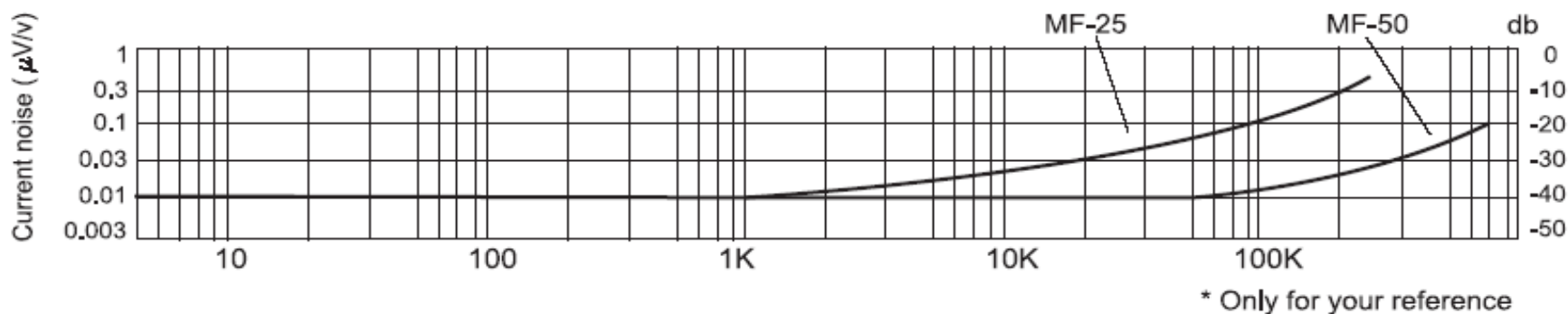
Part No.: **X34012**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	06.10.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 6		

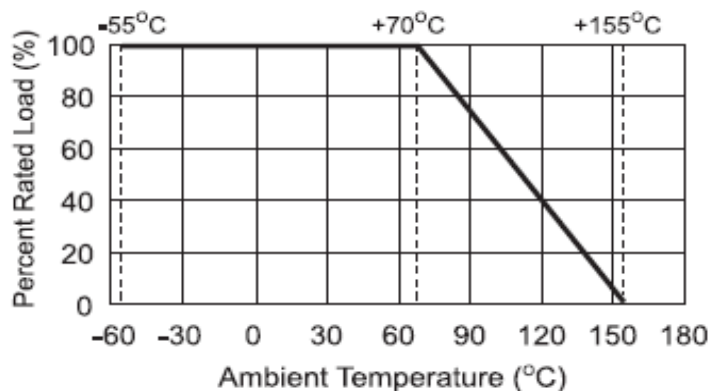
EDCON-COMPONENTS



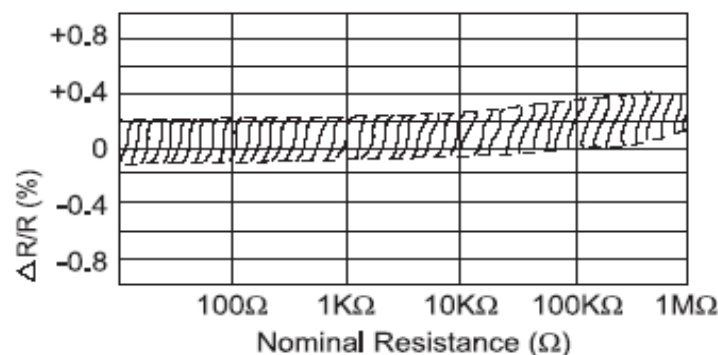
Current Noise Level Curves



Derating Curve



Load Life

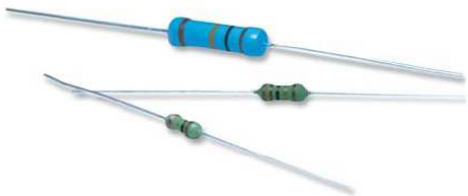


**Precision Metal Film Resistor N-
Size 1,85x3,5mm 0,125Watt**

Part No.: **X34012**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	06.10.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 6	Customer:

EDCON-COMPONENTS



Ordering Informations

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

X34012	1001	F	050	F	00	R	TA
---------------	-------------	----------	------------	----------	-----------	----------	-----------

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

**Precision Metal Film Resistor N-
Size 1,85x3,5mm 0,125Watt**

Part No.: **X34012**

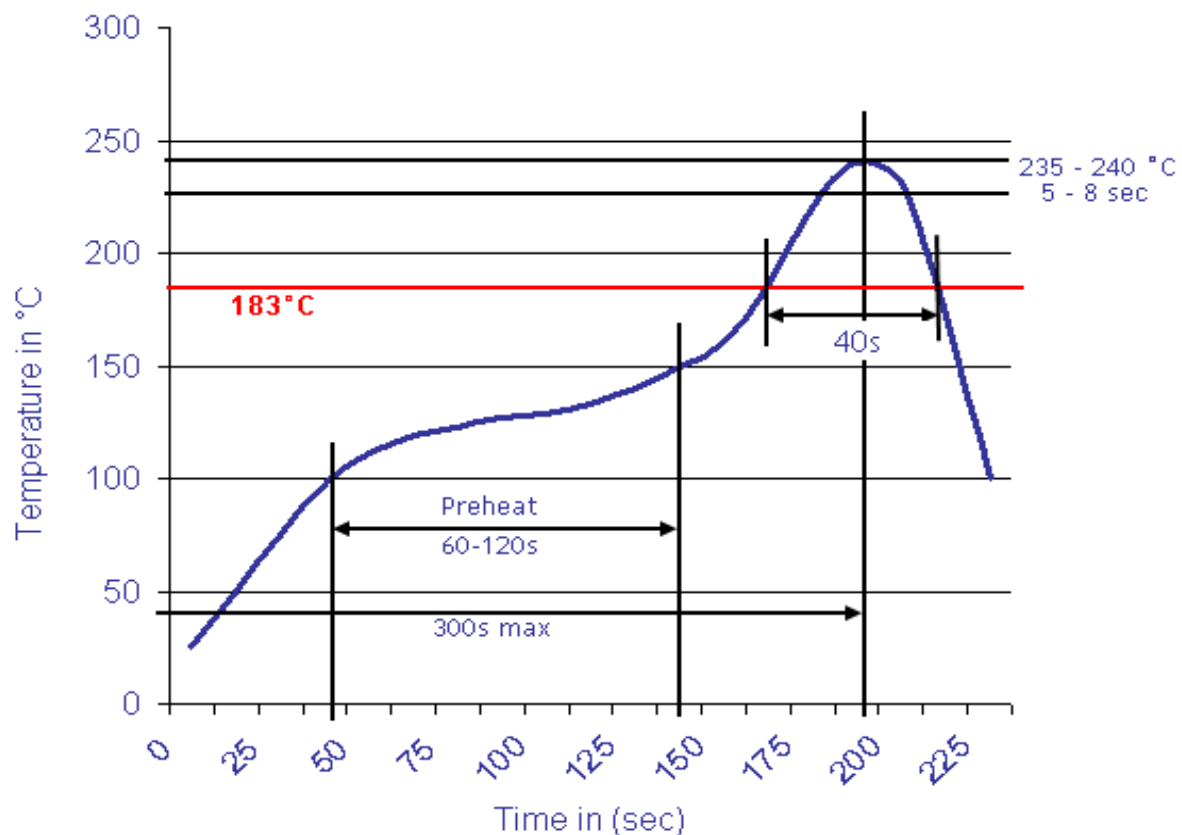
Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	06.10.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		5 from 6



Soldering Profile Curve

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



Precision Metal Film Resistor N- Size 1,85x3,5mm 0,125Watt	
Part No.:	X34012
Customer:	

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