



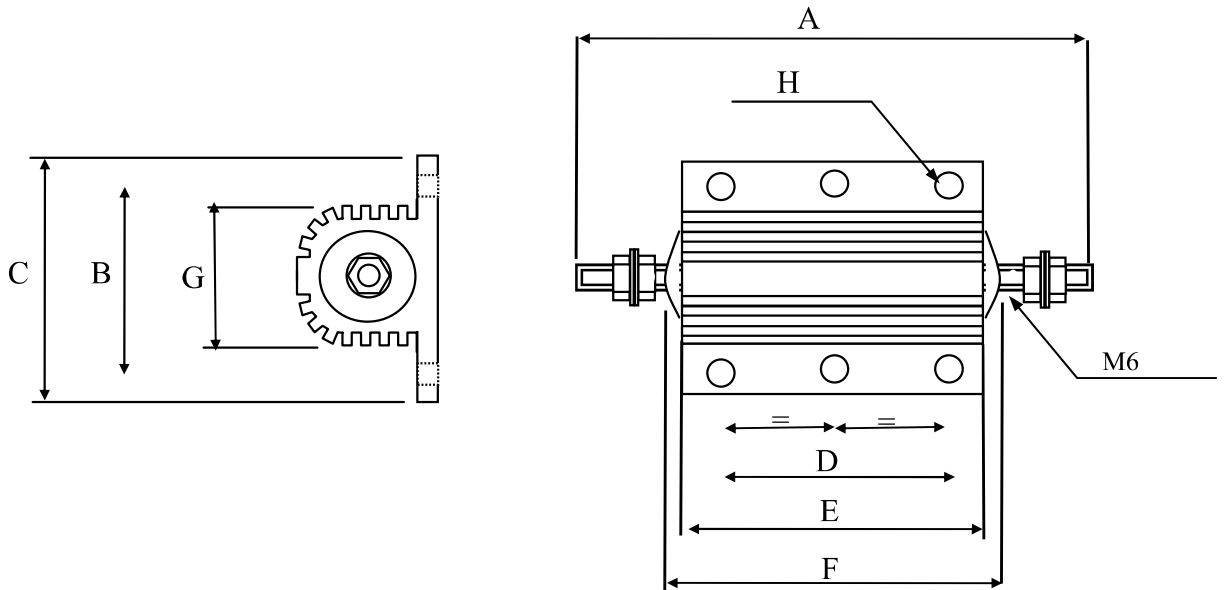
N. 590820

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DATA SHEET

Approval Walter Cerutti
Verified Mauro Pellegatta
Revision 0 16/11/99

Emission DT 16/11/99

ALUMINIUM HOUSED POWER WIREWOUND RESISTORS
STYLE RHS200 – RHS250 – RHS300

DIMENSIONS

STYLE	Amax	B±0,3	C±0,5	D±0,3	E _{max}	F _{max}	G±1	H±0,2	weight
RHS200	145	57,2	73	70	90	106	46	5,2	476 g
RHS250	165	57,2	73	89	109	125	46	5,2	600g
RHS300	185	59	73	104	128	144	46	6,6	700 g

1. FEATURES

The style RHS is a range of high quality, high stability aluminium housed power wirewound resistors designed for direct heat sink attachment. These resistors must be mounted on standard heat sink or on similar heat sink of correct thermal resistance for the power being dissipated. This style represent the completion of the series of resistors illustrate in the Data Sheet 590810

2. ELECTRICAL CHARACTERISTICS

SIR STYLE	RHS 200	RHS 250	RHS 300
Power rating (mounted on standard heat sink)	200 W	250 W	300 W
Standard heat sink (thickness mm 3)	3750 cm ²	4765 cm ²	5780 cm ²
Power rating (without heat sink)	50 W	60 W	75 W
Resistance range	0,1Ω 39 kΩ	0,1 Ω 51 kΩ	0,1Ω 62 kΩ
Resistance tolerance	Standard ± 5% - Also available ±1%, ±2%, ±3%		
Max working voltage	1900 V	2200 V	2500 V
Coefficient of temperature ppm/°C	Above 50 Ω = 25 ppm/°C		1Ω 50Ω = 50ppm/°C
Isolation resistance @ 1000 Vdc	≥ 10.000 MΩ		
Dielectric strength @ 50 Hz for 1min.	5000 Vrms	5000 Vrms	5000 Vrms

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DATA SHEET

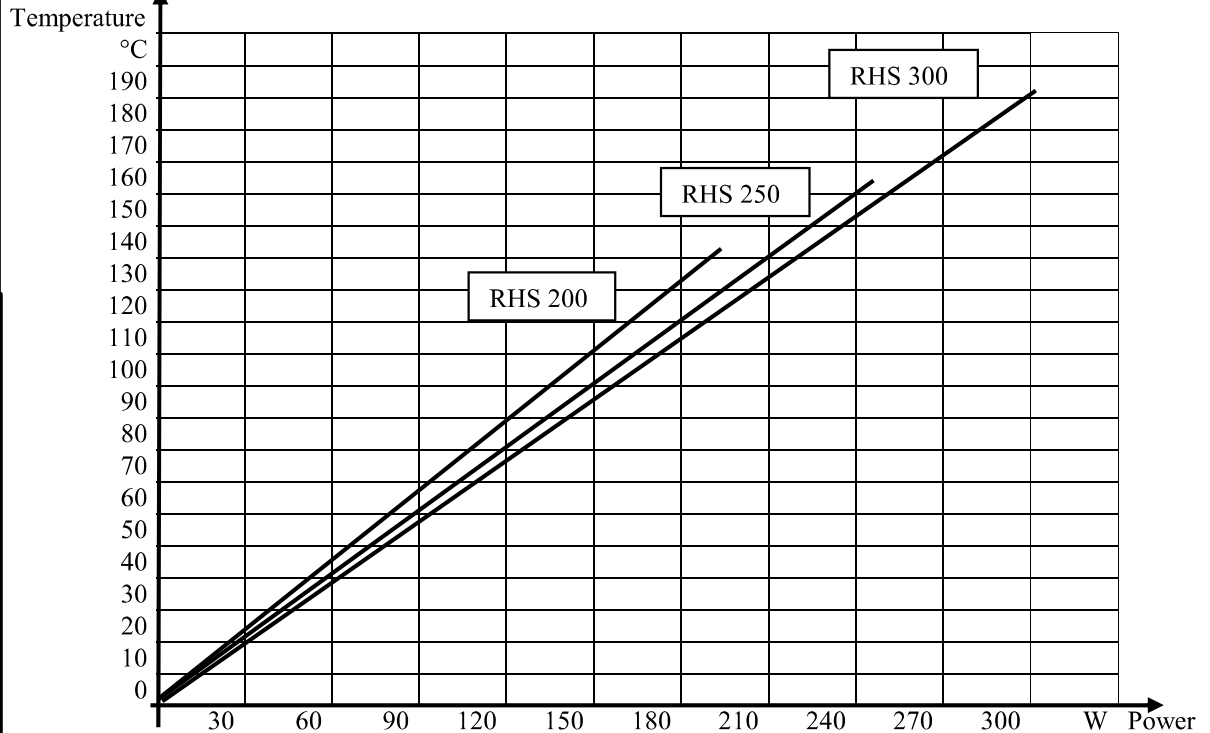
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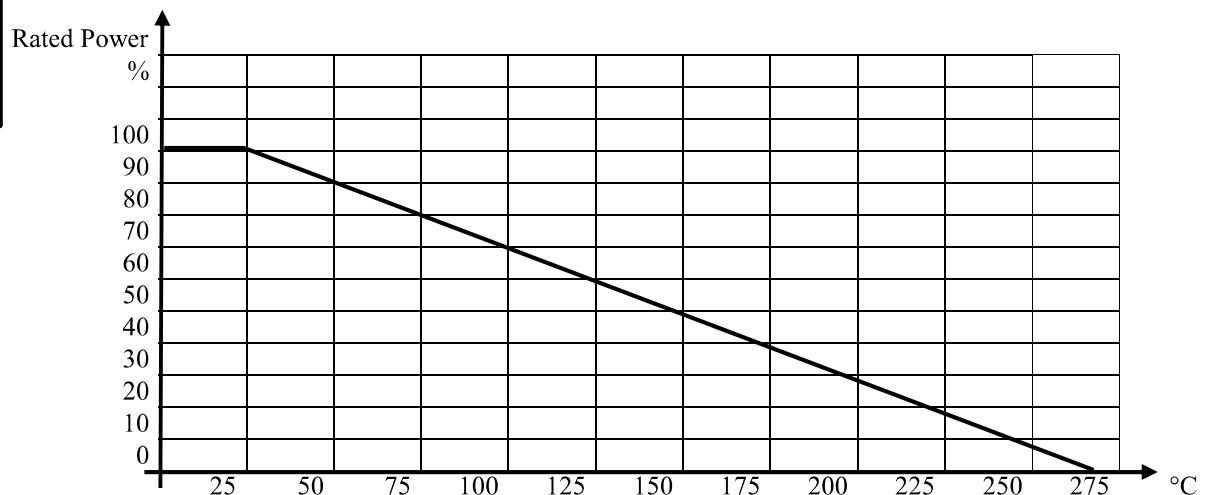
ALUMINIUM HOUSED POWER WIREWOUND RESISTORS STYLE RHS200 – RHS250 – RHS300

3. Surface temperature of resistor related to power dissipation

The resistor is standard heat sink mounted using a suitable heatsink compound



4. Power rating related to ambient temperature



5. Non inductive resistor Style RHSN

This type of resistors is also available in the non-inductive version identified by adding the letter N after the RHS identifications (e.g. RHSN 200 RHS 300). In this case the maximum resistance value will be $\frac{1}{4}$ of the standard and the maximum working voltage must be reduced of 1,42 times

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