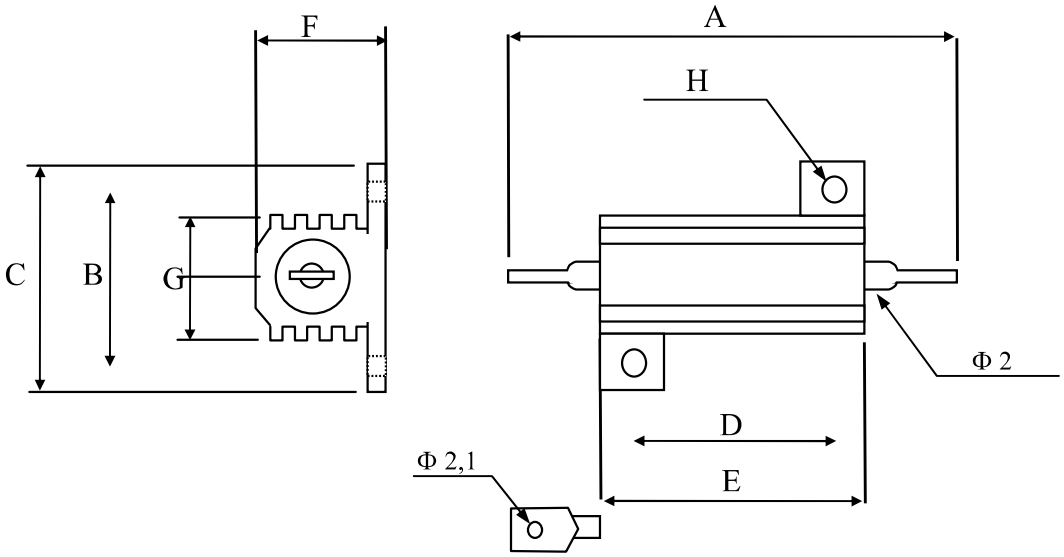
DATA SHEET

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

Emission DT 16/11/99

ALUMINIUM HOUSED POWER WIREWOUND RESISTORS
STYLE RHS10 – RHS25 – RHS50



DIMENSIONS

STYLE	A±1,5	B±0,2	C±0,5	D±0,2	E±0,5	F± 1	G±1	H±0,1	weigt
RHS10	35	15,9	20,5	14,3	19	11	11	2,4	7 g
RHS25	49	19,8	27,5	18,3	28	15	14	3,2	14 g
RHS50	70	21,4	29,5	39,7	50	15	15,5	3,2	32 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 meet entirely the requirements of MIL R18546 and CECC 40203.001

2. ELECTRICAL CHARACTERISTICS

SIR STYLE	RHS 10	RHS 25	RHS 50
MIL Style	RE 65	RE 70	RE 75
Power rating **(mounted on standard heat sink)**	15 W	25 W	50 W
Standard heat sink **(thickness mm 1)**	415 cm^2	535 cm^2	535 cm^2
Power rating **(without heat sink)**	8 W	12,5 W	20 W
Resistance range	5 mΩ | 10 kΩ	10 mΩ | 25 kΩ	10 mΩ | 50 kΩ
Resistance tolerance	Standard ± 5% - Also available ±1%, ±2%, ±3%		
Max working voltage	265 V	550 V	1250 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.**	1500 Vrms	2500 Vrms	2500 Vrms

S.I.R. Società Italiana Resistor
I 21053 Castellanza - Via Isonzo 13
Tel.0331.504.828 - Fax 0331.504.565

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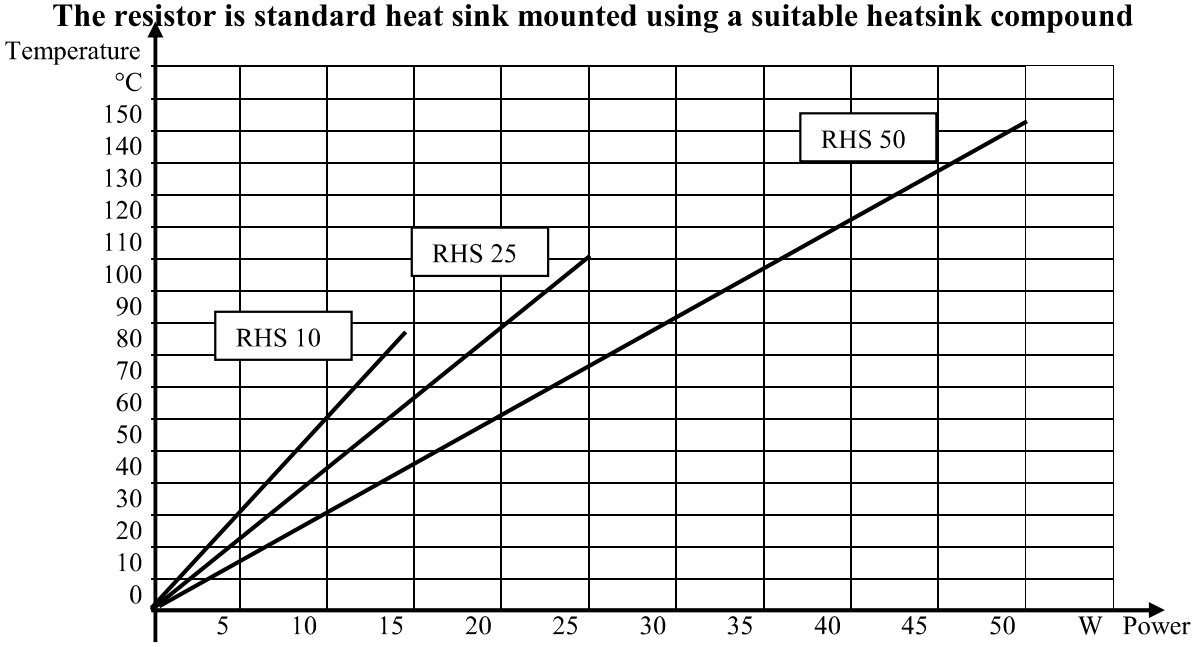
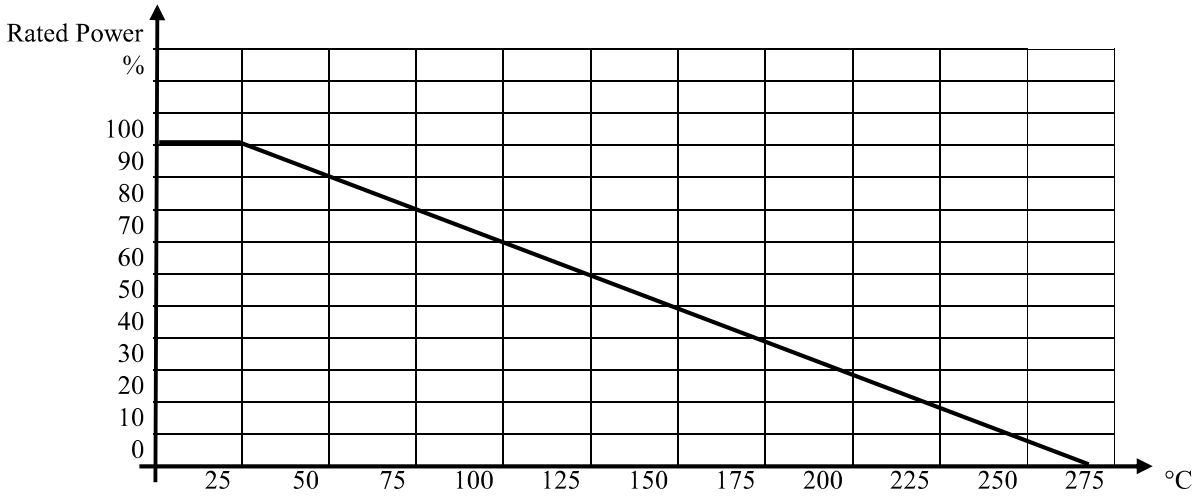
3. Surface temperature of resistor related to power dissipation

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-iductive version identified by adding the letter N after the RHS identifications(e.g. RHSN 25, RHS 50).
In this case the maximum resistance value will be ¼ of the standard and the maximum working voltage must be reduced of 1,42 times

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