



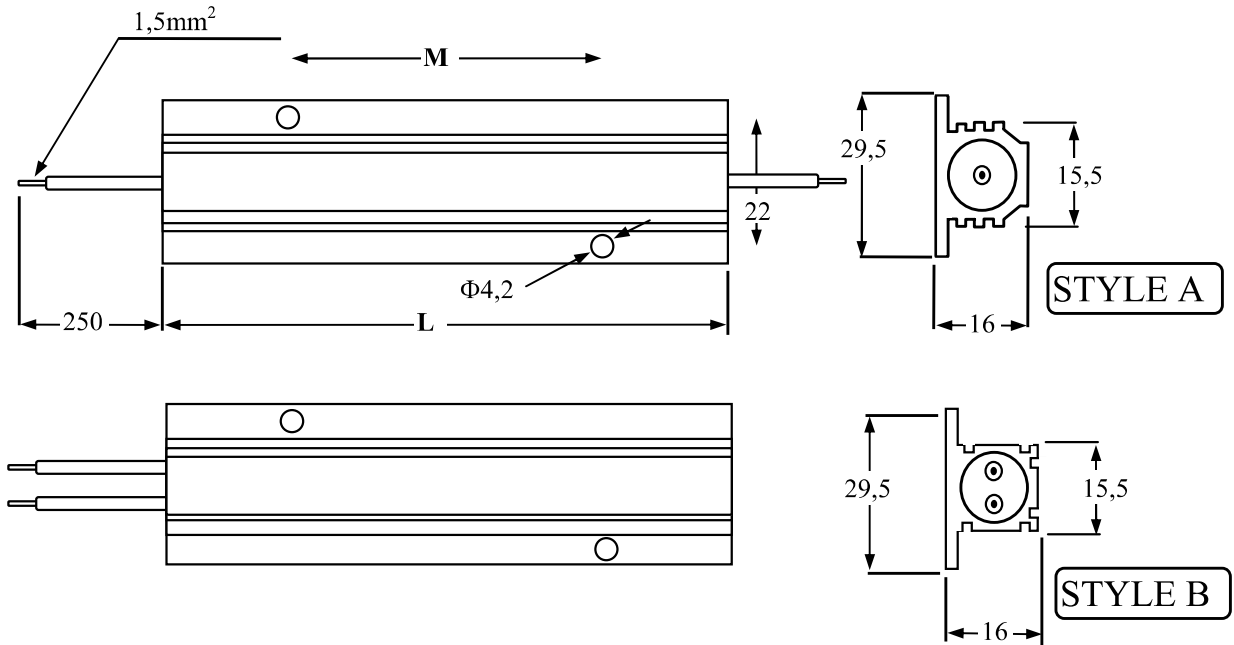
N. 590340

foglio 1 di 2

DATA SHEET

Approval Walter Cerutti
Verified Mauro Pellegatta
Revision 0 12.3.1996
Emission DT 12.3.1996

ALLUMINIUM HOUSED POWER WIREWOUND RESISTORS STYLE SRF 100 & 150



STYLE	M	L	Power rating W
SRF100	60	120	100
SRF150	120	180	150

1.FEATURES

The SRF style resistors are a range of good quality products, designed to achieve a high level of protection (IP55) and an elevated dielectric strength.

The special construction technology makes use only of inorganic materials so as to permit confidence of use beyond 400°C. These resistors, in spite of the reduced dimensions, ensure a good endurance to adiabatic impulses added to an excellent possibility of thermal dissipation.

These characteristics and the mounting facility make the SRF style essential where high reliability is required even in heavy duty as:

- brake resistors
- inverter
- snubber
- capacity discharge

Moreover the power rating of the resistors may be increased rather a lot of times using a suitable heat sink.

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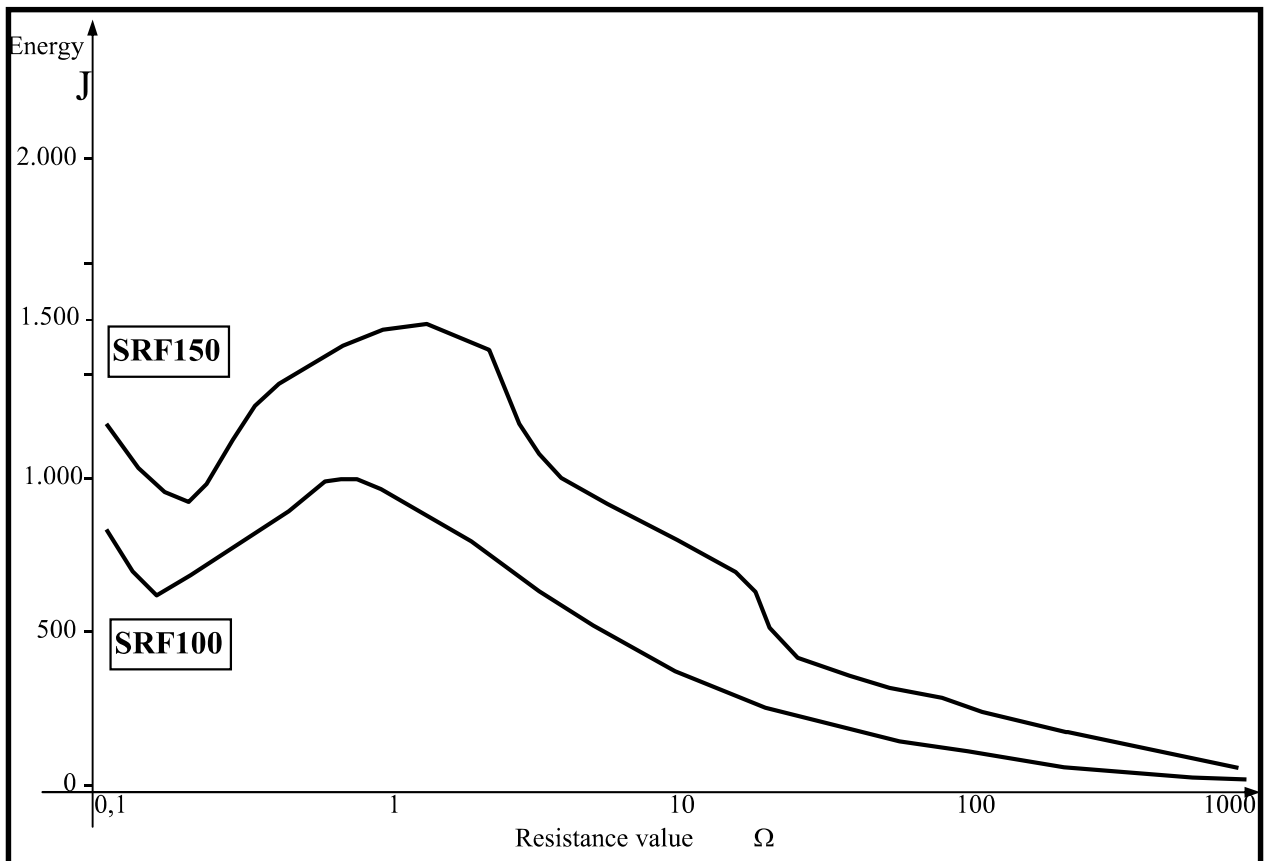
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2. ELECTRICAL SPECIFICATIONS

Characteristics	SRF100	SRF150
Power rating (Pr)	100 W	150 W
Temperature rise @ Pr	370°C	370°C
Max. power on 1°/W heat sink	150 W	200 W
Max. power on water cooled heat sink	200 W	300 W
Absorbed energy @ 250°C ΔT	8.000 J	10.000 J
Absorbed energy in 5" overload	4.000 J	6.000 J
Resistance range	0,39 1.000 Ω	0,47 1.500 Ω
Resistance tolerance	±5%	±5%
Parasitic capacity (from 1 to 100 kHz)	100 pF	150 pF
Max. working voltage	1.500 V	2.000 V
Insulation resistance @ 1000 VDC	≥10.000 MΩ	≥10.000 MΩ
Dielectric strength @ 50 Hz for 1'	4.000 Vrms	4.000 Vrms
Thermal time constant	9'	9'

3. Max. adiabatic impulse in relation to the resistance value



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