



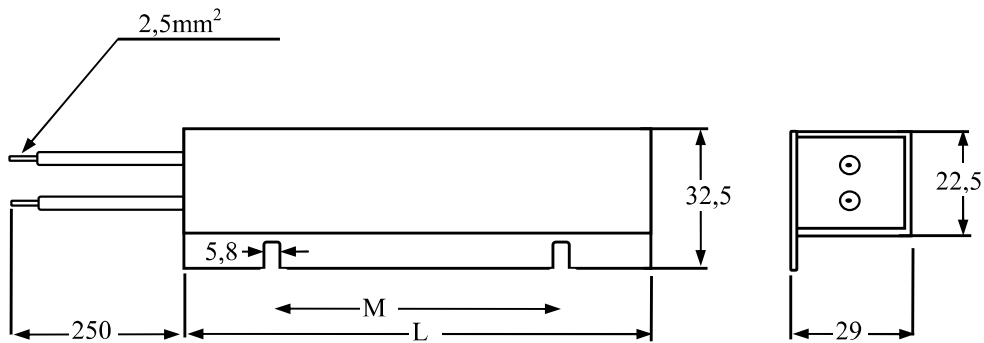
N. 590330

foglio 1 di 2

DATA SHEET

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

NICKEL PLATED STEEL HOUSED POWER WIREWOUND RESISTORS STYLE RFF 202 & 302



| STYLE | M | L | Power rating W |
|--------|-----|-----|----------------|
| RFF202 | 100 | 150 | 200 |
| RFF302 | 150 | 200 | 300 |

1. FEATURES

The RFF style resistors is a range of good quality products with the case in nickel-plated steel, designed to achieve a high level of protection (IP55) and an elevated dielectric strength.

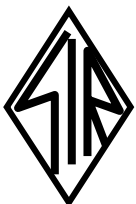
The special construction technology makes use only of inorganic materials so as to permit confidence of use beyond 400°C and to ensure a good endurance to adiabatic impulses in spite of the reduced dimensions of these resistors.

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

- brake resistors
 - inverter
 - snubber
- Capacity discharge

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

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foglio 2 di 2

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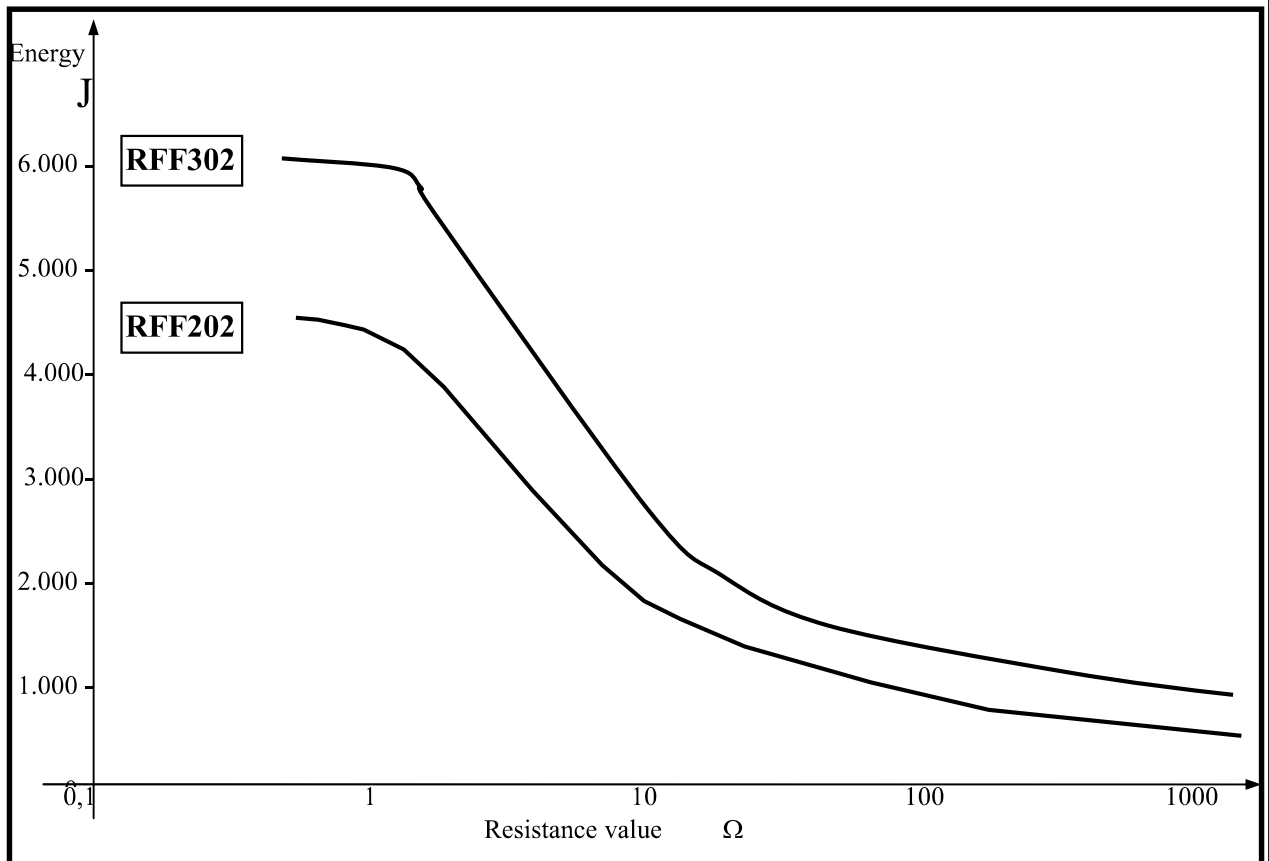
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2. ELECTRICAL SPECIFICATIONS

| Characteristics | RFF202 | RFF302 |
|---------------------------------------|----------------|----------------|
| Power rating (Pr) W | 200 W | 300 W |
| Temperature rise @ Pr | 370°C | 370°C |
| Max. power on 1°/W heat sink | 350 W | 500 W |
| Max. power on water cooled heat sink | 450 W | 600 W |
| Absorbed energy @ 250°C ΔT | 40.000 J | 50.000 J |
| Absorbed energy in 5" overload | 8.000 J | 12.000 J |
| Resistance range | 0,39 5.000 Ω | 0,47 8.200 Ω |
| Resistance tolerance | ±5% | ±5% |
| Parasitic capacity from 1 to 100 kHz) | 400 pF | 600 pF |
| Max. working voltage | 4.000 V | 4.000 V |
| Isolation resistance @ 1000 VDC | ≥1.000 MΩ | ≥1.000 MΩ |
| Dielectric strength @ 50 Hz for 1' | 5.000 Vrms | 5.000 Vrms |
| Thermal time constant | 18' | 18' |

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



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