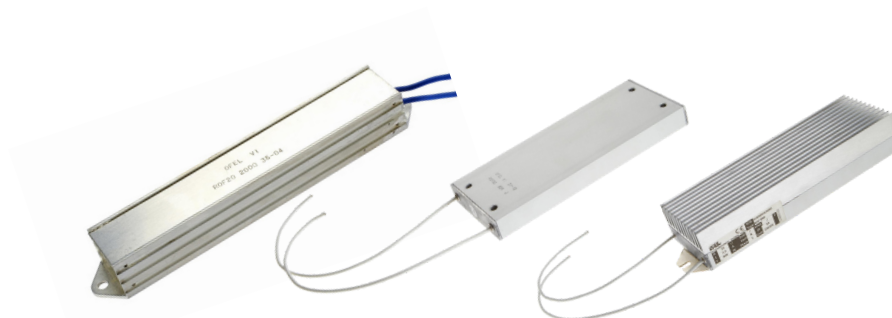


RESISTORS IN ALUMINIUM HOUSING MODEL ROF

GENERAL CHARACTERISTICS

High-quality wirewound resistors housed in an aluminium case with standard IP54 protection degree. Specifically designed to be integrated into motor command and control equipment, such as INVERTERS, etc. Their ideal mounting is in contact with the inverter heat sink or with a metal wall of the cabinet, which ensures maximum resistor performance. The particular shape and construction allow the use of the maximum amount of active material, thus making it possible to absorb a large amount of energy in adiabatic pulses while at the same time achieving a high rated power. All the materials making up the resistors are non-combustible; in particular, the winding is embedded in a cement compound with high thermal conductivity, high insulation and complete insensitivity to moisture.



ELECTRICAL CHARACTERISTICS

Temperature coefficient	$\leq 100 \text{ ppm/}^{\circ}\text{C}$
Insulation resistance	$> 1 \text{ Mohm (500 Vdc)}$ according to EN 60204-1
Max working temperature	350°C
Degree of protection	IP 54

MAXIMUM LOAD LIMIT

The rated power P_n shown in the table refers to the resistor placed horizontally in free air with natural circulation at an ambient temperature of 40°C.

With forced ventilation, the rated power the resistor can dissipate increases as a function of the air speed.

USE AS ANTI-CONDENSATION HEATERS

These resistors can be used as anti-condensation heaters for electrical cabinets.

In this case, the heating power will be derated with respect to the rated power stated in the table.

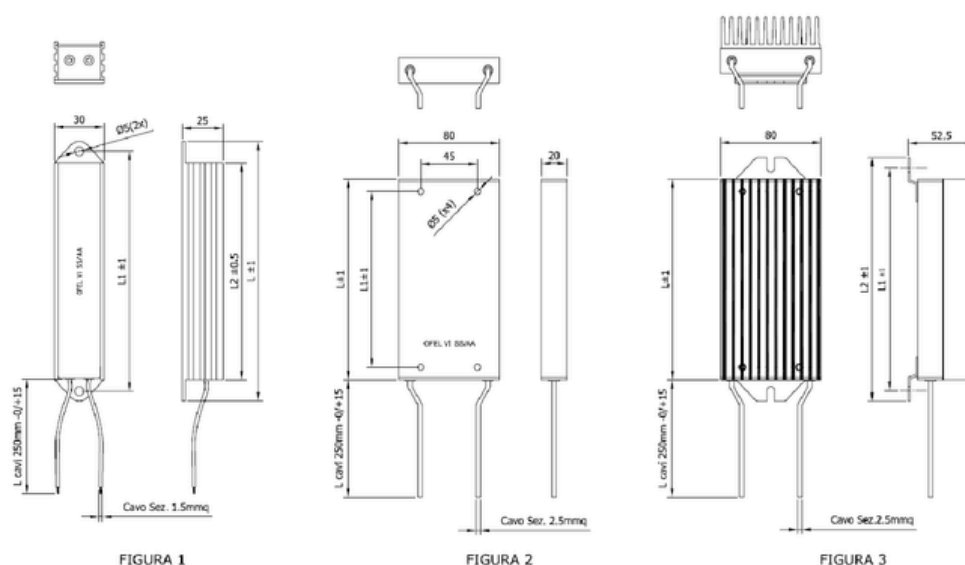
TECHNICAL CHARACTERISTICS

TYPE	P_n (*)	RESISTANCE Range of values (**)	RATED VOLTAGE E a.c.	NOMINAL DIMENSIONS [mm]					Weight
ROF	[W]	[Ω]	[V]	Fig. Nr.	L	L1	L2	L cable	[kg]
12	80	From 5 to 100	≤ 1000	1	112	100	88	250	0.14
20	150	From 5 to 150	≤ 1000	1	192	180	168	250	0.22
24	200	From 5 to 300	≤ 1000	1	232	220	208	250	0.28
35	350	From 5 to 250	≤ 1000	2	160	140	-	250	0.51
50	500	From 5 to 250	≤ 1000	2	200	180	-	250	0.62
65	600	From 5 to 250	≤ 1000	2	240	220	-	250	0.72
80R	800	From 5 to 250	≤ 1000	3	240	254	275	250	1.4
90R	900	From 5 to 250	≤ 1000	3	260	274	295	250	1.6

*= see "Maximum load limit".

**= on request, the feasibility of other values can be evaluated.

DIMENSIONAL CHARACTERISTICS



MOUNTING ARRANGEMENTS

