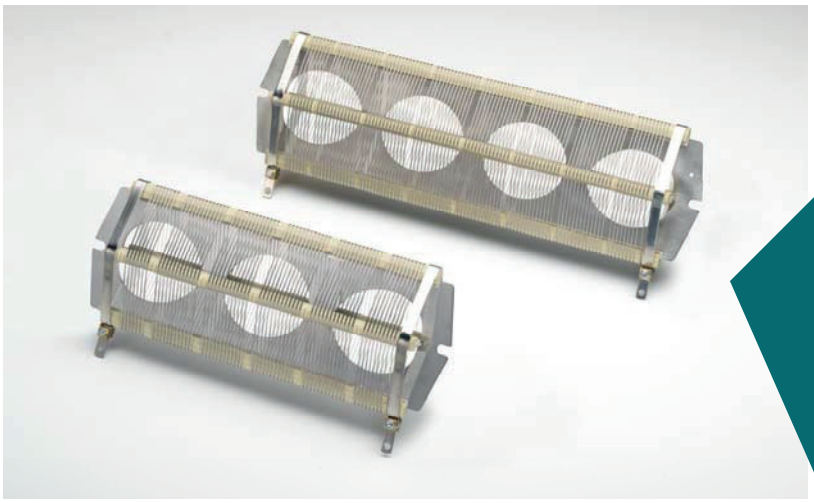
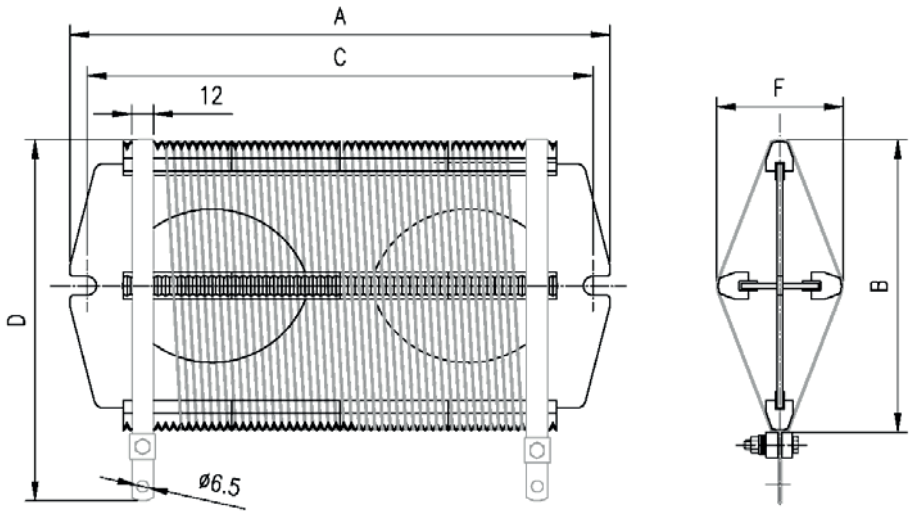
www.italohm.com
info@italohm.com



POWER BRAKING RESISTORS MODEL ROP

TECHNICAL DESIGN



TYPE		ROP 7	ROP 14	ROP 25	ROP 40	ROP 50
Power rating at 25°C		600 W	1300 W	2200 W	4000 W	5000 W
Absorbable Energy in 5" (MILR26)		7 KJ	58 KJ	99 KJ	180 KJ	180 KJ
Standard Ohmic range		1 ÷ 70	1 ÷ 100	1 ÷ 150	1R5 ÷ 200	1R5 ÷ 200
Max working Voltage		1000 V	1000 V	1000 V	1000 V	1000 V
Dielectric strength		3000 V	3000 V	3000 V	3000 V	3000 V
Insulation resistance		≥100 MΩ	≥100 MΩ	≥100 MΩ	≥100 MΩ	≥100 MΩ
Tolerance of resistance		± 10%	± 10%	± 10%	± 10%	± 10%
DIMENSIONS		ROP 7	ROP 14	ROP 25	ROP 40	ROP 50
Dimension	"A" mm	240	300	420	540	664
Dimension	"B" mm	75	160	160	160	160
Dimension	"C" mm	220	280	400	520	645
Dimension	"D" mm	110	200	200	200	200
Dimension	"E" mm	10	10	10	10	10
Dimension	"F" mm	40	65	65	65	65
Dimension		1	1,8	2,4	3,7	4,6

ItalOhm S.r.l Via della meccanica, 13 | 36100 Vicenza - Italy
VAT: 02642920165 R.I.: 02642920165 R.E.A.: 301433
+39 0444 965.365

GENERAL FEATURES

These are high-tension resistors consisting of a stainless steel frame holding the insulating inserts in ceramic material, with the resistive wire windings.
Given heir flat shape, they are suitable for assembly in groups with several elements.
These resistors are used in start up and adjustment of motors, in electric braking devices and in load systems for generating sets, testing benches, suppression of harmonics and grounding of the star centre.
The high value of power and the great amount of energy that can be dissipated are obtained by the important content of alloy in the winding and by the high impulse temperatures that can be supported without creating alterations or damages.
The high level of insulation is obtained through the use of top quality ceramic materials.

ELECTRICAL CHARACTERISTICS

- Standard tolerance: ± 5%
- Temperature coefficient ≤ 100 ppm/°C
- Maximum tension applicable 1000 V
- Maximum utilisation temperature-55 °C / +500 °C (800 °C for impulses depending on the alloy used)

The nominal Pn power is considered for resistors placed with the long side horizontally and the shorter side vertically, free in circulating air, with an environmental temperature of 25° C.
With forced ventilation the nominal power dissipation capacity of the resistor increases as a function of the air speed.

OPTIONAL

- Application of an NC KLIXON type thermal contact
- Ohm values off standard compatibly with operation
- Intermediate sockets
- Off standard tolerances