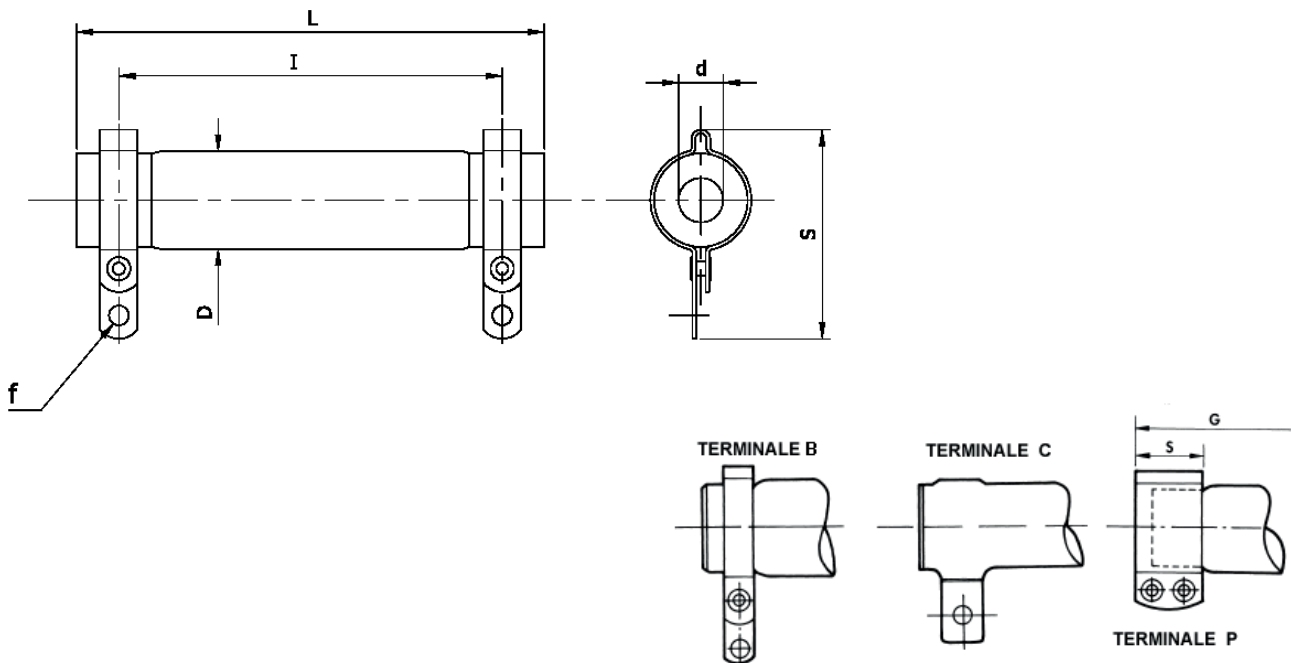




## CEMENTED WIREWOUND RESISTORS MODEL PM

### TECHNICAL DESIGN



PM TYPE	13x64	16x90	20x100	20x165	30x165	30x220	30x265
Power rating [W]	25	50	60	110	160	220	260
Min. Resistance [ $\Omega$ ]	2R2	2R2	2R2	2R2	3R3	5R6	10R
Max Resistance [ $\Omega$ ]	47 K	56 K	68 K	100 K	100 K	150 K	180 K
Limit Voltage [V]	700	1000	1200	1800	2500	3000	4000
<b>DIMENSIONS (Ref.Drawing)</b>	<b>13x64</b>	<b>16x90</b>	<b>20x100</b>	<b>20x165</b>	<b>30x165</b>	<b>30x220</b>	<b>30x265</b>
L mm	64	90	100	165	165	220	265
D mm	13	16	20	20	30	30	30
H mm	32	36	43	43	55	55	55
G mm	76	102	112	175	175	230	275
S mm	12	14	18	18	18	18	18

THE OHMIC VALUE SHOWN ( MIN – MAX ) ARE INTENDED AS TOTAL RESISTANCE OF WINDING

## GENERAL FEATURES

These resistors are designed to obtain maximum power dissipation under optimum operating conditions.

The resistive wire is wound on a suitable ceramic support to sustain high thermal shock and is covered with inorganic cement resistant to solvents. The protection offered is not only non-inflammable, but is also sufficient for normal environmental conditions. The temperature resistance of the cement is greater than the fusion temperature of the winding wire.

The connections are realised with standard collars or terminal pressure plugs (fast-on); the electric contact is guaranteed by rivets or (on request) by screws.

## ELECTRICAL CHARACTERISTICS

- Standard tolerance:  $\pm 5\%$
- Temperature coefficient  $\leq 100$  ppm/ $^{\circ}\text{C}$
- Insulation resistance  $> 100$  Mohm (500 Vdc)
- Max operating temperature:  $350^{\circ}\text{C}$

## OPTIONAL

A low induction Ayrton-Perry type winding can be provided on request.

## MAXIMUM LOAD LIMIT

The nominal power  $P_n$  shown in the table refers to resistors placed horizontally and free in naturally circulating air, with an environmental temperature of  $25^{\circ}\text{C}$ .

With forced ventilation the nominal power dissipation capacity of the resistor increases as a function of the air speed.