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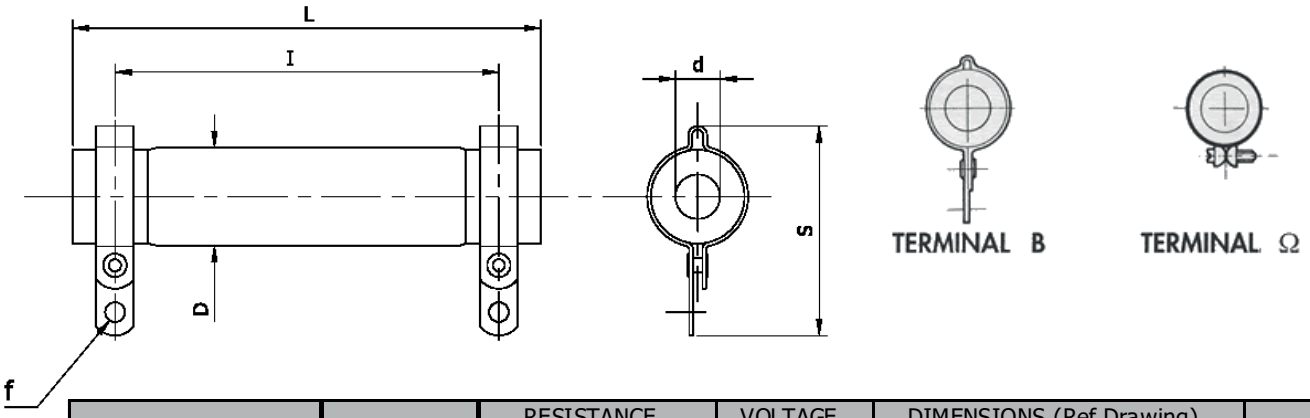
ItalOhm

CEMENTED WIREWOUND RESISTORS MODEL RFC

TECHNICAL DESIGN



TYPE RFC	Pn [W]	RESISTANCE Range MAX Value [Ω]	VOLTAGE LIMITS [V]	DIMENSIONS (Ref.Drawing) [mm] D	L	H	TERM.
10 x 64	25	1r ÷ 2k2	500	10	64	28	B
13 x 64	35	1r ÷ 3k3	500	13	64	32	B
16 x 90	48	1r ÷ 4k7	1000	16	90	36	B
20 x 100	65	1r ÷ 8k2	1200	20	100	43	B
20 x 165	125	1r ÷ 10k	1800	20	165	43	B
35 x 100	130	1r ÷ 10k	1800	35	100	60	B - Ω
40 x 110	150	1r ÷ 10k	1800	40	110	66	B - Ω
50 x 100	160	1r ÷ 15k	1800	50	100	76	B - Ω
30 x 180	180	1r ÷ 15k	2000	30	180	56	B - Ω
40 x 165	210	1r ÷ 22k	2000	40	165	66	B - Ω
30 x 220	230	1r ÷ 22k	2000	30	220	55	B - Ω
30 x 265	270	1r ÷ 27k	3000	30	265	55	B - Ω
30 x 300	300	1r ÷ 27k	3000	30	300	55	B - Ω
40 x 300	375	1r ÷ 27k	3000	40	300	66	B - Ω
50 x 300	400	1r ÷ 27k	4000	50	300	76	B - Ω
50 x 400	600	1r ÷ 27k	4000	50	400	76	B - Ω
50 x 500	800	1r ÷ 27k	4000	50	500	76	B - Ω
60 x 500	1000	1r ÷ 27k	4000	60	500	86	B - Ω
60 x 600	1200	1r ÷ 27k	4000	60	600	86	B - Ω

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

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GENERAL FEATURES

These are industrial resistors with extremely high overload characteristics, which are mechanically very robust and non-inflammable, with excellent insulation and high dissipation capacity.
The external protection of the resistor consists of a ceramic cement lining.
The resistive element consists of wire in Ni-Cr alloy or twisted constantan, on an extremely high quality cylindrical ceramic support.
The resistors may be produced with different terminations depending on the model and ohm value, standard banner type B, with fast-on and pattern type terminals, and in versions with off-standard tolerances.

ELECTRICAL CHARACTERISTICS

- Standard tolerance: ± 10%
- Temperature coefficient ≤ 100 ppm/°C
- Insulation resistance > 100 Mohm (500 Vdc)
- Max operating temperature: 350 °C

OPTIONAL

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

MAXIMUN LOAD LIMIT

The nominal power Pn shown in the table refers to resistors placed horizontally and free in naturally 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.