



MAIN FEATURES

Description	Ribbon wound on edge mounted on ceramic brackets fixed on a metallic bar RNP are recommended for very high energy pulses and low ohmic values
Market	Industrial Automation, Railway traction
Applications	Dynamic braking, Motor Control, Charge Discharge Capacitors
Mechanical characteristics	Protection Degree IP00
Special version	Intermediate grip
Active materials	Available: CuNi44, Nickel-Chrome Alloys, Stainless steel
Notes	Suitable for group mounting and forced cooling
Overload conditions	Overload $P_{0.5}$ refers to the lowest possible ohmic value indicated in the table Please contact our technical dept to submit load condition in order to identify the correct model
Nominal power	Nominal power depends on the used ribbon (thickness and height) and alloy

Parameter	Condition	ID	Unit	Value
Nominal power	$T_a=25^{\circ}\text{C}$	P_{nom}	W	see table
Min resistance	$T_a=25^{\circ}\text{C}$	R_{min}	Ω	see table
Max resistance	$T_a=25^{\circ}\text{C}$	R_{max}	Ω	see table
Surface resistor temp.	$T_a=25^{\circ}\text{C}$	T_{nom}	$^{\circ}\text{C}$	400
Resistance tolerance	$T_a=25^{\circ}\text{C}$		%	± 10
Temp. Coefficient Resistance		TCR	$10^{-4}/^{\circ}\text{C}$	Depends on the used active material
Dielectric strenght	50Hz; 60"	V_{50}	V_{rms}	2.500
Insulation resistance	500 VDC	R_{50}	$M\Omega$	> 1.000
Max Overload	60"	P_{60}	W	$3 \times P_{nom}$
	5"	P_5	W	$12 \times P_{nom}$
	0,5"	$P_{0.5}$	kW	see table

ELECTRICAL CHARACTERISTICS AND MECHANICAL DATA

ID Unit	P_{nom} W	R_{min} Ω	R_{max} Ω	$P_{0.5}$ KW	Dimensions		Weight [gr]
					B [mm]	C [mm]	
RNP 800	560±1.100	0,15	2,4	950	338	371	1.350
RNP 1000	630±1.700	0,2	2,7	1.300	410	443	1.600
RNP 1200	770±2.700	0,25	3,3	1.600	489	522	1.900

DRAWING

