ROC

WIRE WOUND IN AIR RESISTOR

FROM 15 TO 850 W

DATASHEET REV 0510

MAIN FEATURES

Description	ROC are wound with low temperature coefficient resistive wire. Wire oxidation constitutes isolation between turns.
Market	Industrial Automation, Energy Conversion
Applications	Trimming of precision circuit or instrumentation
Mechanical characteristics	Protection Degree IP00, Ceramic tubular support
Special version	Adjustable, Intermediate grip
Active materials	Oxidated CuNi44
Notes	Suitable for 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

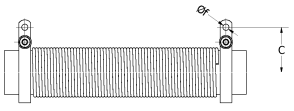
Parameter	Condition	ID	Unit	Value
Nominal power	T_a=25°C	P_{nom}	W	see table
Min resistance	T_a=25°C	R_{min}	Ω	see table
Max resistance	T_a=25°C	R_{max}	Ω	see table
Surface resistor temp.	T_a=25°C	T_{nom}	°C	350
Resistance tolerance	T_a=25°C		%	+20
Temp. Coefficient Resistance		TCR	10^{-6}/°C	20
Insulation resistance	500 VDC	R_{iso}	MΩ	> 100
Max Overload	0,5''	P0.5	kW	see table

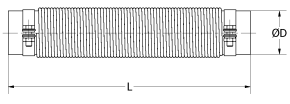
ELECTRICAL CHARACTERISTICS AND MECHANICAL DATA

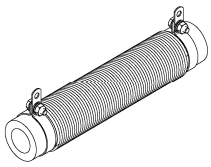
ID	P_{nom}	R_{min}	R_{max}	$P_{0.5}$	Dimensions [mm]						Weight
Unit	W	Ω	Ω	kW	L [mm]	C [mm]	F [mm]	D [mm]	d[mm]	BRACKETS	[gr]
ROC 15	15	0,95	280	4	64	17	3,4	18	6,6	SQ/SC 13	45
ROC 33	30	1,8	540	8	90	22	4,2	22	8,9	SQ/SC 16/20	90
ROC 40	36	2,3	700	10	100	22	4,2	22	8,9	SQ/SC 16/20	100
ROC 50	65	4	1.200	17	100	30	4,2	38	18	SQ/SC 30	215
ROC 75	80	5	1.900	22	165	26	4,2	22	11	SQ/SC 16/20	250
ROC 30x130	85	5,2	1.550	23	130	30	4,2	38	18	SQ/SC 30	280
ROC 85	100	6,5	1.900	28	150	30	4,2	38	18	SQ/SC 30	340
ROC 20x220	115	7	2.100	30	220	26	4,2	22	11	SQ/SC 16/20	330
ROC 30x165	120	2,2	2.200	50	165	30	4,2	38	18	SQ/SC 30	350
ROC 130	150	2,8	2.800	62	200	30	4,2	38	18	SQ/SC 30	480
ROC 30x220	165	3	3.100	66	220	30	4,2	38	18	SQ/SC 30	530
ROC 190	215	3,8	3.900	84	265	30	4,2	38	18	SQ/SC 30	670
ROC 220	250	4,5	4.500	100	300	30	4,2	38	18	SQ/SC 30	730
ROC 320	400	7,5	7.500	165	300	44	4,2	58	28	SO 50	1.500
ROC 450	550	10	10.500	225	400	44	5,4	58	28	SO 50	2.000
ROC 610	680	12	12.500	265	400	49	5,4	68	38	SO 60	2.300
ROC 800	850	6,8	16.000	480	500	49	5,4	68	38	SO 60	3.100

DRAWINGS

Model ROC







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