Series RE

Wirewound Resistors, Aluminium Housed, Chassis Mount

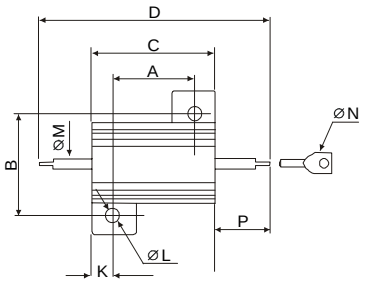
RoHS compliant

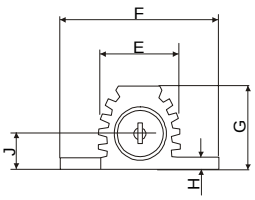
Specifications

Type		RE 605	RE 605N	RE 610	RE 610N	RE 615	RE 615N	RE 630	RE 630N	RE 640	RE 640N	RE 650	RE 650N
Power rating P_{40}	W	see next page											
Resistance range	Ω	see next page											
Tolerances	%	see next page											
Temperature coefficient	$10^{-6} * K^{-1}$	0R1-0R99 ± 100 1R0-9R9 ± 50 ≥10 R ± 20											
max. cont. work. voltage	V_{RMS}	$\sqrt{P_{70} \cdot R}$											
Insulation voltage (1min.)	V_{RMS}	1000						2000		4500			
Insulation resistance	Ω	> 10M											
Derating linear	°C	70 ... 250 (0W)											
Climatic category		55/200/56											
Temperature range	°C	- 55 ... 250											
Failure rate (Total, ϑ_o, max., 60% conf. lev.)	$10^{-9} * h^{-1}$	appr. 10, depends on value											
Endurance (P_{70}, 70°C, 1000)	$[\frac{\Delta R}{R}]$ %	± 5,0 average											
Damp heat, steady state (40°C, 93% r.h., 56d)	$[\frac{\Delta R}{R}]$ %	± 5,0											
Climatic sequence	$[\frac{\Delta R}{R}]$ %	± 2,0											
Terminal strength	$[\frac{\Delta R}{R}]$ %	± 0,5											
Terminal tensile strength	N	50											
Resistance to soldering heat (260°C, 10s)	$[\frac{\Delta R}{R}]$ %	± 0,5											
Solderability	s	2,5 Flowtime, solderglobule test, IEC 60068-2-20											
Marking		printed in clear											

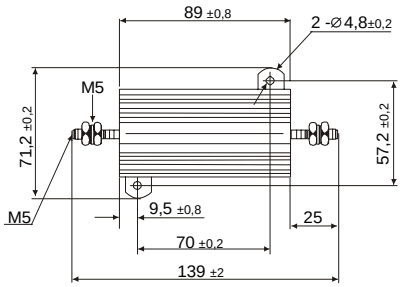
Features:
Molded construction for enviromental protection. Complete welded construction. Meets applicable requirements of MIL-PRF-18546. Available in non-inductive styles with Aryton Perry winding for lowest reactive components (affix N). Mounts on Chassis to uilize heat-sink effect. Excellent stability in operation.

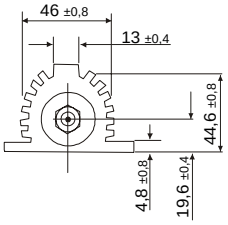
RE605,610,615,630
RE605N,610N,615N,630N



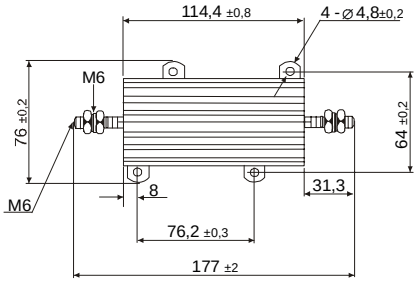


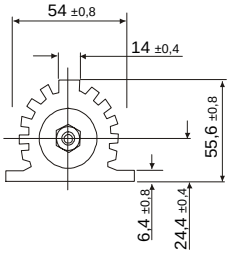
RE640,640N





RE650,650N





Dimensions (mm)														
Type	A ±0,1	B ±0,1	C ±0,5	D ±1,5	E ±0,4	F ±0,1	G ±0,4	H ±0,2	J ±0,2	K ±0,2	L ±0,1	M ±0,02	N ±0,1	P ±0,1
RE605	11,2	12,5	15,2	28,6	8,5	16,4	8,1	1,7	3,8	2	2,4	1,5	1,3	6,7
RE610	14,2	15,9	19	34,9	10,7	20,3	9,9	1,9	4,2	2,4	2,4	2	2,2	7,95
RE615	18,2	19,8	27	49,2	14	27,4	13,9	1,9	5,9	4,4	3,2	2	2,2	11,1
RE630	40	21,4	50	70,6	16	29	15,5	2,2	6,6	5	3,2	2	2,2	10,3

Type	MIL-reference	Rated power (W)		Resistance range		
	Type	Civil	Military	± 0,25%	± 0,5%	±1%, ±5%, ±10%
RE605	RE60G	7,5 (5)	5	0R5 ...1K2	0R1 ... 1K2	0R1 ... 3K32
RE605N	RE60N	7,5 (5)	5	1R ... 200R	1R ... 860R	1R... 1K65
RE610	RE65G	12,5 (10)	10	0R5 ... 2K7	0R1 ... 2K7	0R1 ... 5K62
RE610N	RE65N	12,5 (10)	10	1R ... 1K2	1R ... 1K2	1R ... 2K8
RE615	RE70G	25	20	0R1 ... 3K9	0R1 ... 3K9	0R1 ... 12K1
RE615N	RE70N	25	20	1R0 ... 2K7	1R ... 2K7	1R ... 6K04
RE630	RE75G	50	30	0R1 ... 5K6	0R1 ... 5K6	10R ... 39K2
RE630N	RE75N	50	30	1R0 ... 3K9	1R ... 3K9	1R ... 19K6
RE640	RE77G	100	75	0R1 ... 8K2	0R5 ... 12K	0R5 ... 29K4
RE640N	RE77N	100	75	1R ... 5K6	1R ... 5K6	1R ... 14K7
RE650	RE80G	250	120	0R1 ... 27K	0R1 ... 27K	0R1 ... 35K7
RE650N	RE80N	250	120	1R ... 8K2	1R ... 8K2	1R ... 17K4

Note: Figures in parenthese on RE605 and RE610 indicate wattage printed on parts, new construction allows these resistors to be rated at higher wattage.

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