



Wirewound

Series CLR1100; 3000; 4000; 5000; 7000

Features

- General purpose, high quality, high dissipation, robustly constructed styles included in the range.
- Linear or non-linear laws available.

CLR 1100

- Two gang unit available with a common spindle.
- Terminations are cemented to body for greater reliability.
- Phenolic body moulding; beryllium copper contact; nickel plated brass spindle and bush.

CLR 3000/4000/5000/7000

- Up to four sections can be ganged together on a common spindle.
- Phenolic body moulding; nickel silver contact; nickel plated brass spindle and bush; hot tin dipped brass tags.

Electrical Specification

Standard Resistance Range

CLR	1100	3000	4000	5000	7000
50R	LL	LL	LL	LL	
100R	*	*	*	*	LL
250R	*	*	*	*	*
500R	*	*	*	*	*
1K0	*	*	*	*	*
2K0	*	*	*	*	*
2K5	*	*	*	*	*
5K0	*	*	*	*	*
10K	*	*	*	*	*
20K	*	*	*	*	*
25K	*	*	*	*	*
50K	UL	UL	*	*	*
100K			UL	UL	UL

* = Preferred value

LL = Lowest value

UL = Highest value

Non-Preferred values are charged at a premium, please consult factory for details. Highest value varies from above for non-linear laws.

	CLR 1100	CLR 3000	CLR 4000	CLR 5000	CLR 7000
* Power rating @ 70°C Linear law	0.5W	1W	1.5W	2.5W	6W
Angle of effective rotation	265° ±5°	260° ±5°	275° ±5°	275° ±5° (non-linear 270° ±5°)	300° ±5°
Total mechanical rotation	290° ±10°	285° ±5°	290° ±10°	295° ±5°	320° ±5°
Limiting element voltage d.c. or a.c. r.m.s.	250V	400V	500V	500V	630V

* For ganged units the front section must be derated to 75%, the rear section to 50% and the middle section(s) to 40% of the above ratings. Uprate all ratings by 100% for operation at 20°C.

Selection Tolerance

±10%

Terminal Resistance

Maximum of 0.2Ω or 0.01% (1Ω or 0.1%: CLR 7000) of nominal resistance whichever is the greater.

Rotational Noise

100μ E.N.R. maximum

Temperature Characteristic of Resistance

±0.75% (+20°C to +70°C)

Insulation Resistance

1000MΩ minimum at 500V d.c.

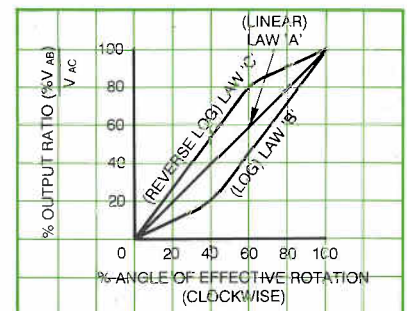
Isolation Voltage

1000V a.c. peak

Linearity

1% typical, 2% maximum

Standard Resistance Laws



Alignment (Ganged Units)

Sections are aligned to within ±1% at reference point of zero effective rotation (50% effective rotation: CLR 1100).