

RBC SPECIFICATIONS

Model	Decades	Total Resistance	Resolution	Resistance per Steps Ω	Accuracy %	Max Current in Amps
RBC5-A	5	11,111 Ω	0.1 Ω	10	$\pm 5\%$	0.7
RBC5-B	5	111,110 Ω	1 Ω	1	$\pm 10\%$	2.2
RBC6-A	6	111,111 Ω	0.1 Ω	0.1	$\pm 10\%$	7

Calibration

Calibration certificates including UKAS traceable are available on request

Switches

Contact material gold plated brass
 Contact resistance = 5 milli ohm
 Insulation Resistance (all paths = 10 giga ohm)
 Proof voltage 1kV

Resistors

Temperature Co-efficient:

$\pm 3\text{ppm} / +20^\circ\text{C}$ to $+85^\circ\text{C}$ $\pm 5\text{ppm}$ maximum over -55°C to $+125^\circ\text{C}$ 0.1, 0.01, and 0.001 dials 10ppm/ $^\circ\text{C}$

Full Load Stability:

$\pm 35\text{ppm}/10,000$ hours
 $\pm 50\text{ppm}/26,000$ hours

No Load Stability:

$\pm 25\text{ppm}/10,000$ hours
 $\pm 35\text{ppm}/26,000$ hours

Over full temperature range:

-50°C to $+125^\circ\text{C}$

Power Rating:

0.33 watt ($+85^\circ\text{C}$) 0.25 watt ($+110^\circ\text{C}$)

Maximum Continuous Working Voltage:

Up to 250V dc

Noise:

Essentially non-measurable <1.5 mV/ $^\circ\text{C}$

Thermal E.M.F.:

<0.4 mV/ $^\circ\text{C}$ typical

Encapsulation:

Moulded epoxy

Windings:

Exclusive 'air cushioned' technique provides virtually stressless elements for improved performance. Non inductively wound. Direction of winding reversed at half turns point

Weight

5 Dial Box - 3.0kg
 6 Dial Box - 3.5kg

Size

5 Dial Box - 390mm x 105mm x 130mm (W H D) approx
 6 Dial Box - 450mm x 105mm x 130mm (W H D) approx



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)1245 600560

Fax: +44 (0)1245 600030

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.