



## RBC SPECIFICATIONS

Model	Decades	Total Resistance	Resolution	Resistance per Steps $\Omega$	Accuracy %	Max Current in Amps
RBC5-A	5	11,111 $\Omega$	0.1 $\Omega$	0.1	$\pm 5\%$	7
RBC5-B	5	111,110 $\Omega$	1 $\Omega$	1	$\pm 10\%$	2.2
RBC6-A	6	111,111 $\Omega$	0.1 $\Omega$	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  $-55^\circ\text{C}$  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:

$-50^\circ\text{C}$  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.:

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



**205 Westwood Ave**  
**Long Branch, NJ 07740**  
**1-877-742-TEST (8378)**  
**Fax: (732) 222-7088**  
**salesteam@Tequipment.NET**