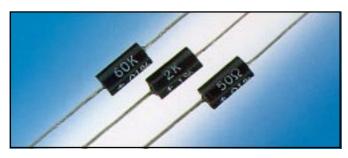
# RHOPOINT COMPONENTS LTD

## **MINIOHM** (5E10) Precision Wirewound Resistor



Miniohms are only 7.94mm long with a diameter of 3.97mm, yet they incorporate advanced design and manufacturing features which provide unsurpassed accuracy, stability, load life and reliability. Each Miniohm undergoes three separate complete tests during manufacture including an accelerated ageing thermal shock procedure.

#### FEATURES

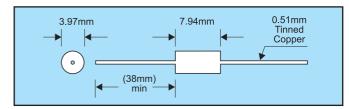
- Miniature size
- Temperature co-efficient ±3ppm per °C
- Full load stability ±50ppm maximum after three years
- Tolerance  $\pm 0.01\%$  and  $\pm 0.1\%$

#### **OHMIC VALUES**

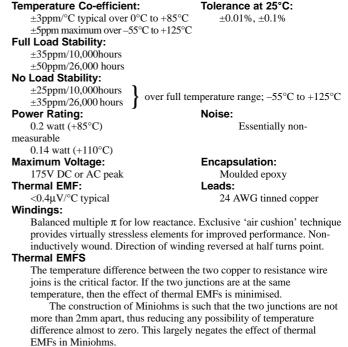
Miniohms are available in 78 standard values from  $10\Omega$  to  $100K\Omega$  and in any 'non-standard' value from  $10\Omega$  to  $200k\Omega$ .

#### CONSTRUCTION

Miniohms are made in an identical way to Econistors, incorporating the same all-welded construction. For a full description please refer to the notes and diagrams on the previous page.



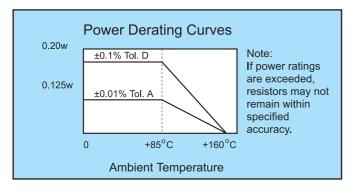
### SPECIFICATIONS



The thermal EMF of the resistance material to copper join for Miniohms is typically  $<0.4\mu$ V/°C.

Stocked in $\pm 0.1\%$ and $\pm 0.01\%$ in listed values shown below					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	680 Ω* 700 Ω 800 Ω 820 Ω* 900 Ω 1.0 K 1.2 K* 1.5 K	3.3K * 3.9K * 4.0K 4.7K * 5.0K 5.6K * 6.0K 6.8K *	12K * 15K * 18K * 20K 22K * 25K 27K * 30K	60K 68K * 70K 80K 82K * 90K 99K * 100K
80 Ω   90 Ω   100 Ω   120 Ω   125 $\Omega^*$ 150 $\Omega^*$	$\begin{array}{c} 390 \ \Omega^{*} \\ 400 \ \Omega \\ 470 \ \Omega^{*} \\ 500 \ \Omega \\ 560 \ \Omega^{*} \\ 600 \ \Omega \end{array}$	1.8 K* 2.0 K 2.2 K* 2.5 K 2.7 K* 3.0 K	7.0K 8.0K 8.2K * 9.0K 9.9K * 10.0K	33K * 39K 40K 47K * 50K 56K *	Any non-listed value from 10Ω to 200KΩ available to order

\* Stocked in  $\pm 0.1\%$  tolerance only.



ORDERING PROCEDURE EXAMPLE:						
5 E 10	А	10 K				
Style and	Tolerance	R value				
general	A = 0.01%	in Ohms				
specifications	D = 0.1%					
Matched pairs and ratio matched resistors are						
available against specific enquiries.						

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