



## MTS 1A SPECIFICATIONS

Resistance Value	Uncertainty of Adjustment @ 20°C	Watts Max W	Current Max A	Typical Temp Coefficient
100kΩ	±0.01%	0.1	1mA	<10ppm
10kΩ	±0.01%	0.1	3mA	<10ppm
1kΩ	±0.01%	0.6	25mA	<10ppm
100Ω	±0.01%	0.6	75mA	<10ppm
19Ω	±0.01%	0.43	150mA	<10ppm
10Ω	±0.01%	0.45	212mA	<10ppm
1.9Ω	±0.01%	0.475	500mA	<10ppm
1Ω	±0.01%	0.56	750mA	<10ppm
100mΩ	±0.01%	0.525	2.5A	<10ppm
10mΩ	±0.05%	0.25	5A	<10ppm
1mΩ	±0.05%	0.1	10A	<10ppm

## MTS 2 SPECIFICATIONS

Resistance Value	Uncertainty of Adjustment @ 20°C	Watts Max W	Current Max A	Typical Temp Coefficient
400kΩ	±0.01%	0.1	0.45mA	<10ppm
40kΩ	±0.01%	0.1	1.5mA	<10ppm
4kΩ	±0.01%	0.1	5mA	<10ppm
400Ω	±0.01%	0.1	15mA	<10ppm
40Ω	±0.01%	0.1	50mA	<10ppm
4Ω	±0.01%	0.1	150mA	<10ppm
400mΩ	±0.01%	0.1	500mA	<10ppm
40mΩ	±0.01%	0.1	1.5A	<10ppm
4mΩ	±0.1%	0.4	10A	<10ppm
400μΩ	±0.1%	0.04	10A	<10ppm

### Working Temperature

+5 to +40°C

### Storage Temperature

+5 to +50°C

### Dimensions

215mm x 88mm x 250mm (W H D) approx

### Mass

2.8kg approx

### Terminal

4mm binding posts will accept spade tags and 4mm banana plugs. Low thermal E.M.F. types are used for the potential terminals

### Switches

Combination switch with low thermal contacts for the potential selection and low resistance contacts for the current selection