



RESISTANCE COILS - standard

Cat: EM2700-001	any non standard value.
EM2702-001	0.5 ohm
EM2703-001	1.0 ohm
EM2704-001	2.0 ohm
EM2705-001	5.0 ohm
EM2706-001	10.0 ohm
EM2707-001	20.0 ohm
EM2708-001	50.0 ohm
EM2709-001	100.0 ohm

DESCRIPTION:

ACCURACY: Within better than +/- 1% of marked value.

DISSIPATION: 4 watts continuous.

VALUES: Resistors of any non-standard value can be manufactured to special order.

EM2700-001 through EM2709-001 standard resistors



Physical size: 111x55mm HxD

Weight: 0.06 kg

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em2700to2709-001.doc

**STANDARD RESISTORS:**

This sheet covers all models of standard resistance coils. They are designed to be used as a standard resistor in circuits of Wheatstone Bridge and similar.

NOTE: They are not designed to be a high power load resistor.

The resistance coil is housed in a simple transparent plastic housing with a screw top lid. The resistance is wound, stretched and soldered directly to the two nickel plated brass terminal stems. Connections to circuits are made from insulated 4mm socket head spin free terminals.

For excellent stability, the resistance wire used is 'Constantan' or 'Advance', which is a copper/nickel alloy having an almost zero change in resistance with temperature. High value standard resistors may be constructed differently but their accuracy and dissipation is similar.

Each resistor can dissipate about 4 watts continuously or about 10 watts for about 10 seconds. During an experiment, the voltage applied to any resistor must relate to the dissipation permitted. Take care in selecting resistances and voltages being applied.

CAUTION: The low cost housings are polystyrene and will damage if subject to excessive heat or solvents.

Designed and manufactured in Australia