



Decade Resistance – 7 Decade Resistor Set

We are currently offering a quality set of resistors, via Tindie, for makers and hobbyists who want to construct their own decade resistance projects or resistance substitution boxes. One of the most difficult aspects when undertaking such a project is to source the set of resistors in low quantity via a single order. As we have recently taken a summer intern on board, we have assigned this as one of several projects where he can gain additional income. Once supplies, taxes, postage & Tindie charges are covered, all proceeds will go to the Intern.

The resistors

We have chosen quality resistors only from leading suppliers (Farnell/Newark/Element 14, Mouser, Digikey & RS). We did say it is difficult to source these in a single order.

The values chosen are the most common 7 decade set of 1R, 10R, 100R, 1K, 10K, 100k & 1M. This will allow you to create a project with resistance values from 1 Ohm to 9,999,999 Ohms in steps of 1 Ohm and an accuracy of 1% or better.

Uses

Typical uses include:

- Decade resistance **project**
- **Repair** of existing decade resistance box
- **Upgrade** of existing decade resistance box, with improved accuracy & power rating
- Verify the **calibration** of your **DMM** across a wide range of values, for improved confidence in readings.

Specifications

Resistor ID	Value Ohms	Tolerance %	Temperature Coefficient	Power Rating	Package	Quantity Included	Voltage Rating
1R	1	1%	± 50ppm/°C	0.5 W	TH/AL/MF	9	350V
10R	10	1%	± 50ppm/°C	0.5 W	TH/AL/MF	9	350V
100R	100	1%	± 50ppm/°C	0.5 W	TH/AL/MF	9	350V
1K	1,000	1%	± 50ppm/°C	0.5 W	TH/AL/MF	9	350V
10K	10,000	1%	± 50ppm/°C	0.5 W	TH/AL/MF	9	350V
100K	100,000	1%	± 50ppm/°C	0.5 W	TH/AL/MF	9	350V
1M	1,000,000	1%	± 50ppm/°C	0.5 W	TH/AL/MF	9	350V
Total	9,999,999				Total	63	

TH/AL/MF = Through Hole, Axial Leaded, Metal Film

Related Projects

Check out our other kits available via Tindie or directly via our website below.

- Infrared Component Starter kit
- AnalysIR – Advance Infrared Signal decoder and analyser.
- Coming soon via Tindie – finished decade resistance boxes.

Blog: <http://www.AnalysIR.com/> **Twitter:** @AnalysIR

info@analysir.com

E.&O.E.

Decade Resistance – 7 Decade Resistor Set