

## Metal-film resistor-set 1/4 W (THT) 400pcs Item No.: 201711P002

Whether in the laboratory, in workshops, development offices or for hobby, leisure and education: with this high quality range of resistors you are always well equipped. Wired metal film resistors (through-hole-mounting) are standard components in electronics and engineering and are indispensable in the practical handling of this matter. Included are 20 different default values. By series or parallel connection or combinations, any intermediate values can be formed. That is why this set is also ideally suited for educational purposes and is often used in educational institutions.



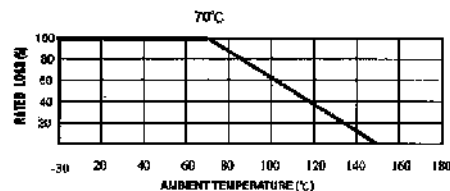
No.	Resistance	Pcs.	No.	Resistance	Pcs.	No.	Resistance	Pcs.	No.	Resistance	Pcs.
1	1 Ω	20x	6	220 Ω	20x	11	2.2k Ω	20x	16	47k Ω	20x
2	10 Ω	20x	7	330 Ω	20x	12	4.7k Ω	20x	17	100k Ω	20x
3	47 Ω	20x	8	470 Ω	20x	13	10k Ω	20x	18	220k Ω	20x
4	100 Ω	20x	9	1k Ω	20x	14	22k Ω	20x	19	470k Ω	20x
5	150 Ω	20x	10	1.5k Ω	20x	15	33k Ω	20x	20	1M Ω	20x

**Technical data:** Rated power: 0.25 W (Derating from  $T_a=70^\circ\text{C}$ ) • Tolerance: 1% • Temp.-range:  $-30 \dots 150^\circ\text{C}$  • Working voltage: 250 V • Dielectric withstanding/overload voltage: max. 500 V • Temp. Coefficient max  $\pm 100 \text{ ppm}/^\circ\text{C}$  • Solder ability: Dip the lead in to a solder bath having a Temperature of  $260^\circ\text{C} \pm 5^\circ\text{C}$  up to  $4 \pm 0.8 \text{ mm}$  from the body of the resistor and hold it for  $5 \pm 0.5$  seconds then inspect.

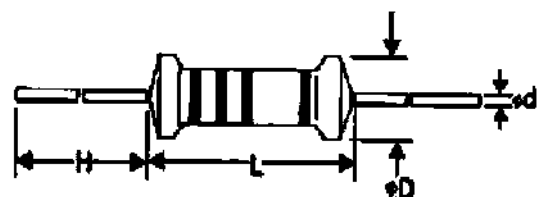
Refill packs available, content 100 pcs. per value:

Part-No.	Resistance	Part-No.	Resistance
22P038	1 Ω	22P048	2.2k Ω
22P039	10 Ω	22P049	4.7k Ω
22P040	47 Ω	22P050	10k Ω
22P041	100 Ω	22P051	22k Ω
22P042	150 Ω	22P052	33k Ω
22P043	220 Ω	22P053	47k Ω
22P044	330 Ω	22P054	100k Ω
22P045	470 Ω	22P055	220k Ω
22P046	1k Ω	22P056	470k Ω
22P047	1.5k Ω	22P057	1M Ω

### Derating @ high temperature



### Resistor dimensions



$$L = 6.0 \pm 0.5 \text{ mm} / D = 2.3 \pm 0.3 \text{ mm} / H = 27 \pm 2 \text{ mm} / d = 0.48 \text{ mm}$$