QUADRIOS

TECHNICAL DATA SHEET

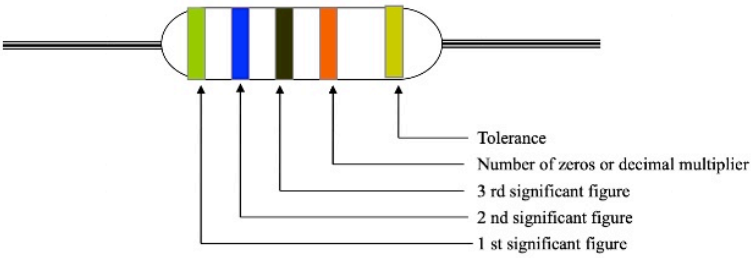
www.quadrios.de

Bundle Item-No.: 26P141 (1)
Metal Film Resistors Set 250/500 mW

RoHS

REACH Compliant

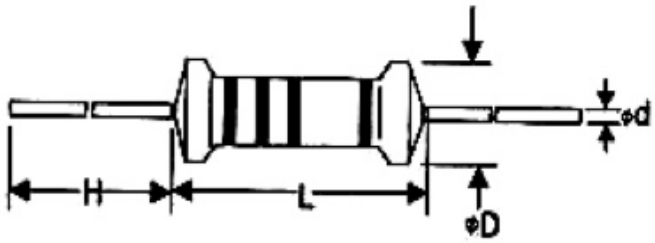
Resistor color code



Color refer

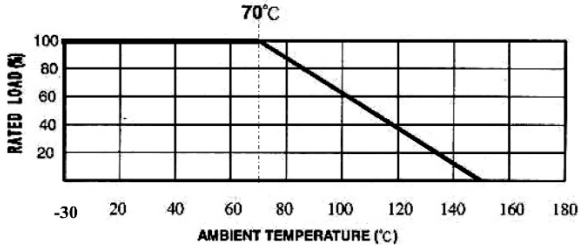
Color	1 st Band	2 nd Band	3 rd Band	4 th Band	Tolerance
Black	0	0	0	10^0	
Brown	1	1	1	10^1	±1.00 %
Red	2	2	2	10^2	
Orange	3	3	3	10^3	
Yellow	4	4	4	10^4	
Green	5	5	5	10^5	±0.50 %
Blue	6	6	6	10^6	±0.25 %
Violet	7	7	7	10^7	±0.10 %
Grey	8	8	8	10^8	
White	9	9	9	10^9	
Gold				10^{-1}	
Silver				10^{-2}	

Resistor dimensions



L = 6.0 ±0.5 mm / D = 2.3 ±0.3 mm / H = 27 ±2 mm / d = 0.48 mm

Derating @ high temperature



Technical data: Rated power: 0.25 W (Derating from Ta=70°C) • Tolerance: 1% • Temp.-range: -30 ... 150 °C • Working voltage: 250 V • Dielectric withstanding/overload voltage: max. 500 V • Temp. Coefficient max ±100 ppm/°C • Solder ability: Dip the lead in to a solder bath having a Temperature of 260℃ ±5℃ up to 4 ±0.8mm from the body of the resistor and hold it for 5 ±0.5 seconds then inspect • Bending tool • Precision mechanic pliers • Vitrometer • Content: 25 pcs. per value 1Ω … 1MΩ.

Substitute / Refill Packs are available:







Part No.	Resistor Value	Content
22P035	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M Ω	200 pcs. (10/each)
22P036	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M Ω	500 pcs. (25/each)
22P037	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M Ω	1000 pcs. (50/each)
22P038	1 Ω	100 pcs.
22P039	10 Ω	100 pcs.
22P040	47 Ω	100 pcs.
22P041	100 Ω	100 pcs.
22P042	150 Ω	100 pcs.
22P043	220 Ω	100 pcs.

Part No.	Resistor Value	Content
22P044	330 Ω	100 pcs.
22P045	470 Ω	100 pcs.
22P046	1 kΩ	100 pcs.
22P047	1.5 kΩ	100 pcs.
22P048	2.2 kΩ	100 pcs.
22P049	4.7 kΩ	100 pcs.
22P050	10 kΩ	100 pcs.
22P051	22 kΩ	100 pcs.
22P052	33 kΩ	100 pcs.
22P053	47 kΩ	100 pcs.
22P054	100 kΩ	100 pcs.
22P055	220 kΩ	100 pcs.
22P056	470 kΩ	100 pcs.
22P057	1 MΩ	100 pcs.

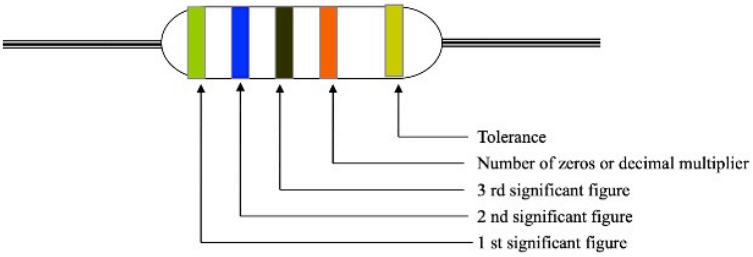
500 mW resistors see next page!

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Bundle Item-No.: 26P141 (2)
Metal Film Resistors Set 250/500 mW

Pb RoHS REACH Compliant

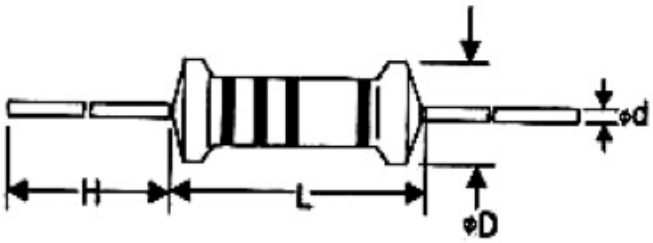
Resistor color code



Color refer

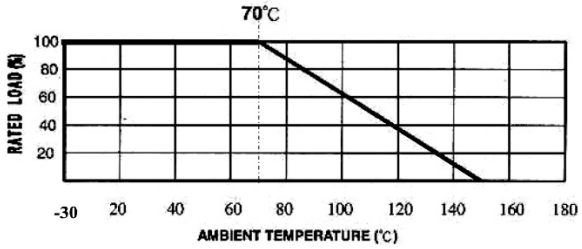
Color	1 st Band	2 nd Band	3 rd Band	4 th Band	Tolerance
Black	0	0	0	10^0	
Brown	1	1	1	10^1	±1.00 %
Red	2	2	2	10^2	
Orange	3	3	3	10^3	
Yellow	4	4	4	10^4	
Green	5	5	5	10^5	±0.50 %
Blue	6	6	6	10^6	±0.25 %
Violet	7	7	7	10^7	±0.10 %
Grey	8	8	8	10^8	
White	9	9	9	10^9	
Gold				10^{-1}	
Silver				10^{-2}	

Resistor dimensions



L = 9.0 ±0.1 mm / D = 3.5 ±0.5 mm / H = 26 ±2 mm / d = 0.58 mm

Derating @ high temperature



Technical data: Rated power: 0.5 W (Derating from Ta=70°C) • Tolerance: 1% • Temp.-range: -30 ... 150 °C • Working voltage: 350 V • Dielectric withstanding/overload voltage: max. 700 V • Temp. Coefficient max ±100 ppm/°C • Solder ability: Dip the lead in to a solder bath having a Temperature of 260℃ ±5℃ up to 4 ±0.8mm from the body of the resistor and hold it for 5 ±0.5 seconds then inspect • Content: 25 pcs. per value 1Ω … 1MΩ.

Substitute / Refill Packs are available:

Part No.	Resistor Value	Content
22P081	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M Ω	200 pcs. (10/each)
22P082	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M Ω	500 pcs. (25/each)
22P083	1, 10, 47, 100, 150, 220, 330, 470, 1k, 1.5k, 2.2k, 4.7k, 10k, 22k, 33k, 47k, 100k, 220k, 470k, 1M Ω	1000 pcs. (50/each)
22P084	1 Ω	100 pcs.
22P085	10 Ω	100 pcs.
22P086	47 Ω	100 pcs.
22P087	100 Ω	100 pcs.
22P088	150 Ω	100 pcs.
22P089	220 Ω	100 pcs.

Part No.	Resistor Value	Content
22P090	330 Ω	100 pcs.
22P091	470 Ω	100 pcs.
22P092	1 kΩ	100 pcs.
22P093	1.5 kΩ	100 pcs.
22P094	2.2 kΩ	100 pcs.
22P095	4.7 kΩ	100 pcs.
22P096	10 kΩ	100 pcs.
22P097	22 kΩ	100 pcs.
22P098	33 kΩ	100 pcs.
22P099	47 kΩ	100 pcs.
22P100	100 kΩ	100 pcs.
22P101	220 kΩ	100 pcs.
22P102	470 kΩ	100 pcs.
22P103	1 MΩ	100 pcs.

250 mW resistors see previous page

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