QUADRIOS

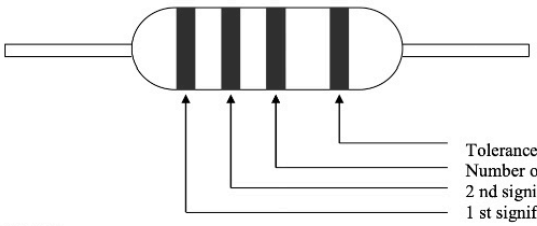
TECHNICAL DATA SHEET

www.quadrios.de

Bundle Item-No.: 26P144 (1)
Carbon Film Resistors Set 250/500 mW

Pb RoHS REACH Compliant

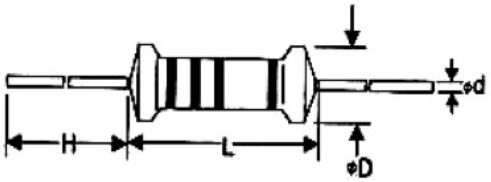
Resistor color code



Color refer

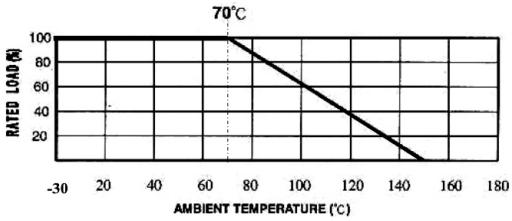
Color	1 st Band	2 nd Band	3 rd Band	4 th Band
Black	0	0	10^0	
Brown	1	1	10^1	
Red	2	2	10^2	±2.0%
Orange	3	3	10^3	
Yellow	4	4	10^4	
Green	5	5	10^5	
Blue	6	6	10^6	
Violet	7	7	10^7	
Grey	8	8	10^8	
White	9	9	10^9	
Gold			10^{-1}	±5.0%
Silver			10^{-2}	±10.0%

Resistor dimensions



L = 6.0 ±0.5 mm / D = 2.3 ±0.3 mm / H = 27 ±2 mm / d = 0.33 mm

Derating @ high temperature



Technical data: Rated power: 0.25 W (Derating from Ta=70°C) • Tolerance: 5% • Temp.-range: -50 ... 150 °C • Working voltage: 300 V • Dielectric withstanding/overload voltage: max. 600 V • Temp. Coefficient max ±350 ppm/°C (<100kΩ) / 0… -700 ppm/°C (100kΩ…1MΩ) • 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 75 pcs. per value 1Ω … 1MΩ.

Substitute / Refill Packs are available:







Part No.	Resistor Value	Content
22P058	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)
22P059	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)
22P060	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)
22P061	1 Ω	100 pcs.
22P062	10 Ω	100 pcs.
22P063	47 Ω	100 pcs.
22P064	100 Ω	100 pcs.
22P065	150 Ω	100 pcs.
22P066	220 Ω	100 pcs.

Part No.	Resistor Value	Content
22P067	330 Ω	100 pcs.
22P068	470 Ω	100 pcs.
22P069	1 kΩ	100 pcs.
22P070	1.5 kΩ	100 pcs.
22P071	2.2 kΩ	100 pcs.
22P072	4.7 kΩ	100 pcs.
22P073	10 kΩ	100 pcs.
22P074	22 kΩ	100 pcs.
22P075	33 kΩ	100 pcs.
22P076	47 kΩ	100 pcs.
22P077	100 kΩ	100 pcs.
22P078	220 kΩ	100 pcs.
22P079	470 kΩ	100 pcs.
22P080	1 MΩ	100 pcs.

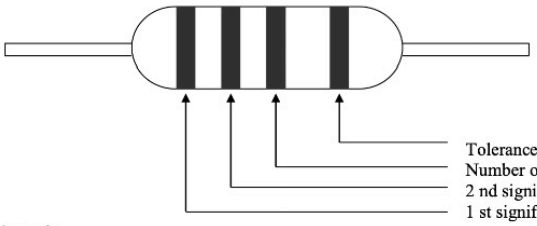
500 mW resistors see next page!

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Bundle Item-No.: 26P144 (2)
Carbon Film Resistors Set 250/500 mW

Pb RoHS REACH Compliant

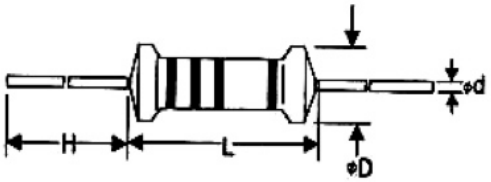
Resistor color code



Color refer

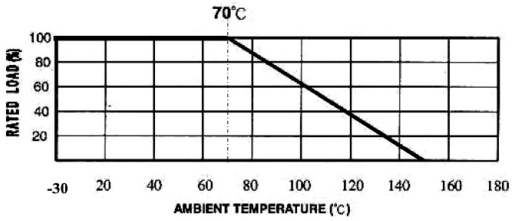
Color	1 st Band	2 nd Band	3 rd Band	4 th Band
Black	0	0	10^0	
Brown	1	1	10^1	
Red	2	2	10^2	±2.0%
Orange	3	3	10^3	
Yellow	4	4	10^4	
Green	5	5	10^5	
Blue	6	6	10^6	
Violet	7	7	10^7	
Grey	8	8	10^8	
White	9	9	10^9	
Gold			10^{-1}	±5.0%
Silver			10^{-2}	±10.0%

Resistor dimensions



L = 9.0 ±0.5 mm / D = 3.2 ±0.3 mm / H = 26 ±2 mm / d = 0.4 mm

Derating @ high temperature



Technical data: Rated power: 0.5 W (Derating from Ta=70°C) • Tolerance: 5% • Temp.-range: -50 ... 150 °C • Working voltage: 350 V • Dielectric withstanding/overload voltage: max. 700 V • Temp. Coefficient max ±350 ppm/°C (<100kΩ) / 0… -700 ppm/°C (100kΩ…1MΩ) • 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: 75 pcs. per value 1Ω … 1MΩ.

Substitute / Refill Packs are available:

Part No.	Resistor Value	Content
22P104	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)
22P105	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)
22P106	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)
22P107	1 Ω	100 pcs.
22P108	10 Ω	100 pcs.
22P109	47 Ω	100 pcs.
22P110	100 Ω	100 pcs.
22P111	150 Ω	100 pcs.
22P112	220 Ω	100 pcs.

Part No.	Resistor Value	Content
22P113	330 Ω	100 pcs.
22P114	470 Ω	100 pcs.
22P115	1 kΩ	100 pcs.
22P116	1.5 kΩ	100 pcs.
22P117	2.2 kΩ	100 pcs.
22P118	4.7 kΩ	100 pcs.
22P119	10 kΩ	100 pcs.
22P120	22 kΩ	100 pcs.
22P121	33 kΩ	100 pcs.
22P122	47 kΩ	100 pcs.
22P123	100 kΩ	100 pcs.
22P124	220 kΩ	100 pcs.
22P125	470 kΩ	100 pcs.
22P126	1 MΩ	100 pcs.

250 mW resistors see previous page!

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