

1. Capacitors

Type	Capacitance Range	Voltage Rating	Dimensions (L×D)	Tolerance	Price (USD)
Ceramic (MLCC)	1 pF – 1 µF	6.3 V – 100 V	3.2 mm × 1.6 mm (1206)	±5%	\$0.01 – \$0.10
Electrolytic	1 µF – 10,000 µF	6.3 V – 450 V	6 mm × 12 mm to 18 mm × 35 mm	±20%	\$0.05 – \$1.50
Film (Polyester)	1 nF – 10 µF	50 V – 630 V	7 mm × 3 mm to 20 mm × 10 mm	±5%	\$0.10 – \$0.80

2. Resistors

Type	Resistance Range	Power Rating	Dimensions (L×D)	Tolerance	Price (USD)
Carbon Film	1 Ω – 10 MΩ	0.25 W – 2 W	6.8 mm × 2.3 mm (¼ W)	±5%	\$0.01 – \$0.05
Metal Film	1 Ω – 10 MΩ	0.25 W – 3 W	6.8 mm × 2.3 mm (¼ W)	±1%	\$0.02 – \$0.10
Wirewound	0.01 Ω – 10 kΩ	5 W – 50 W	15 mm × 6 mm to 60 mm × 15 mm	±1%	\$0.50 – \$5.00

3. Inductors

Type	Inductance Range	Current Rating	Dimensions (L×W×H)	Core Material	Price (USD)
Ferrite Bead	10 nH – 10 µH	0.2 A – 5 A	3.2 mm × 1.6 mm × 1.6 mm	Ferrite	\$0.03 – \$0.20
Wirewound SMD	1 µH – 470 µH	0.5 A – 6 A	6 mm × 6 mm × 4 mm	Ferrite	\$0.20 – \$1.50
Toroidal	10 µH – 10 mH	1 A – 20 A	Ø 10 mm – 40 mm	Iron Powder	\$1.00 – \$6.00