

RESISTORS

SMD CHIP RESISTORS



Chip Resistors are supplied in packs of 10 of the same value. Most resistors are 1206, (SMR) size & rated at 250mW with 5% tolerance. Some selected values of 0805, (SMT), & 603, (SMS) size are available for building miniature circuits.

1206 SMD CASE (L=3mm x W=1.55mm)

Order No	Description	Size	Price Per 10pcs
SMR0R	0ohm	1206	\$0.50
SMR1.2R	1.2ohm	1206	\$0.50
SMR4.7R	4.7ohm	1206	\$1.50
SMR10R	10ohm	1206	\$0.05
SMR12R	12ohm	1206	\$2.00
SMR13R	13ohm	1206	\$1.70
SMR15R	15ohm	1206	\$1.00
SMR18R	18ohm	1206	\$0.50
SMR20R	20ohm	1206	\$1.70
SMR22R	22ohm	1206	\$0.50
SMR24R	24ohm	1206	\$1.50
SMR27R	27ohm	1206	\$1.00
SMR33R	33ohm	1206	\$0.50
SMR36R	36ohm	1206	\$1.70
SMR39R	39ohm	1206	\$1.50
SMR47R	47ohm	1206	\$0.50
SMR51R	51ohm	1206	\$0.50
SMR68R	68ohm	1206	\$0.50
SMR75R	75ohm	1206	\$0.50
SMR82R	82ohm	1206	\$0.50
SMR91R	91ohm	1206	\$1.70
SMR100R	100ohm	1206	\$0.50
SMR120R	120ohm	1206	\$0.50
SMR130R	130ohm	1206	\$1.50
SMR150R	150ohm	1206	\$0.50
SMR180R	180ohm	1206	\$0.50
SMR210R	210ohm	1206	\$1.50
SMR220R	220ohm	1206	\$0.50
SMR240R	240ohm	1206	\$1.70
SMR270R	270ohm	1206	\$0.50
SMR300R	300ohm	1206	\$1.70
SMR316R	316ohm	1206	\$1.70
SMR330R	330ohm	1206	\$0.50
SMR390R	390ohm	1206	\$1.50
SMR470R	470ohm	1206	\$1.70
SMR560R	560ohm	1206	\$0.50
SMR680R	680ohm	1206	\$1.70
SMR820R	820ohm	1206	\$0.50
SMR1K	1kohm	1206	\$0.50
SMR1K2	1.2kohm	1206	\$1.00
SMR1K5	1.5kohm	1206	\$1.00
SMR1K74	1.74kohm	1206	\$1.70
SMR1K8	1.8kohm	1206	\$0.50
SMR2K0	2.0kohm	1206	\$2.00
SMR2K2	2.2kohm	1206	\$0.50
SMR2K7	2.7kohm	1206	\$0.50
SMR3K3	3.3kohm	1206	\$1.00

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1206 SMD CASE (L=3mm x W=1.55mm)

Order No	Description	Size	Price Per 10pcs
SMR3K9	3.9kohm	1206	\$0.50
SMR4K7	4.7kohm	1206	\$0.50
SMR5K36	5.36kohm	1206	\$1.70
SMR5K6	5.6kohm	1206	\$1.00
SMR6K8	6.8kohm	1206	\$1.70
SMR8K2	8.2kohm	1206	\$0.50
SMR10K	10kohm	1206	\$0.50
SMR12K	12kohm	1206	\$1.00
SMR20K	20kohm	1206	\$1.50
SMR22K	22kohm	1206	\$1.00
SMR27K	27kohm	1206	\$1.00
SMR33K	33kohm	1206	\$0.50
SMR39K	39kohm	1206	\$1.00
SMR47K	47kohm	1206	\$0.50
SMR56K	56kohm	1206	\$1.00
SMR68K	68kohm	1206	\$1.00
SMR82K	82kohm	1206	\$1.00
SMR100K	100kohm	1206	\$0.50
SMR150K	150kohm	1206	\$1.70
SMR180K	180kohm	1206	\$1.00
SMR220K	220kohm	1206	\$1.70
SMR390K	390kohm	1206	\$1.00
SMR470K	470kohm	1206	\$1.70
SMR560K	560kohm	1206	\$1.00
SMR680K	680kohm	1206	\$1.00
SMR820K	820kohm	1206	\$1.00
SMR1M	1Mohm	1206	\$1.00

0805 SMD CASE (L=2mm x W=1.25mm)

Order No	Description	Size	Price Per 10pcs
SMT1.2R	1.2ohm	0805	\$0.35ea
SMT1.5R	1.5ohm	0805	\$0.25ea
SMT12R	12ohm	0805	\$1.70
SMT18R	18ohm	0805	\$1.00
SMT22R	22ohm	0805	\$0.50
SMT47R	47ohm	0805	\$0.25ea
SMT75R	75ohm	0805	\$1.00
SMT100R	100ohm	0805	\$0.50
SMT470R	470ohm	0805	\$1.50
SMT1K	1kohm	0805	\$1.70
SMT2K7	2.7kohm	0805	\$1.50
SMT3K3	3.6kohm	0805	\$1.70
SMT4K7	4.7kohm	0805	\$0.50
SMT6K8	6.8kohm	0805	\$1.00
SMT8K2	8.2kohm	0805	\$1.00
SMT10K	10kohm	0805	\$0.50
SMT11K	11kohm	0805	\$1.70
SMT15K	15kohm	0805	\$1.70
SMT27K	27kohm	0805	\$1.00
SMT82K	82kohm	0805	\$1.00
SMT300K	300kohm	0805	\$1.00
SMT3M3	3.3Mohm	0805	\$1.00

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0603 SMD CASE (L=1.6mm x W=0.8mm)

Order No	Description	Size	Price Per 10pcs
SMS15R	15ohm	0603	\$1.70
SMS18R	18ohm	0603	\$1.70
SMS33R	33ohm	0603	\$1.70
SMS39R	39ohm	0603	\$1.70
SMS68R	68ohm	0603	\$1.70
SMS100R	100ohm	0603	\$1.70
SMS120R	120ohm	0603	\$1.70
SMS150R	150ohm	0603	\$1.70
SMS270R	270ohm	0603	On Order
SMS560R	560ohm	0603	\$1.70
SMS820R	820ohm	0603	\$1.70
SMS1K	1kohm	0603	\$1.70
SMS2K2	2.2kohm	0603	\$1.70
SMS18K	18kohm	0603	\$1.70
SMS47K	47kohm	0603	\$1.70
SMS100K	100kohm	0603	\$1.70
SMS120K	120kohm	0603	\$1.70
SMS220K	220kohm	0603	\$1.70
SMS270K	270kohm	0603	\$1.70
SMS330K	330kohm	0603	\$0.17ea
SMS470K	470kohm	0603	\$1.70
SMS1MR	1Mohm	0603	\$1.70

CARBON / METAL FILM RESISTORS



Mini-Kits stock most commonly used values of 1/4 Watt resistors in either Carbon or Metal Film types, including some larger wattage types. The standard 0.25W size is 7mm long x 2.2mm wide. All Carbon Film types will be eventually replaced with Metal Film types.

0.25 Watt CARBON FILM 5%

Price Mixed Value for \$0.05ea (minimum 10pcs)

To order quote .25C then the Value e.g. .25C0R

Stock Values 0R, 4.7R, 8.2R, 10R, 12R, 15R, 18R, 22R, 27R, 33R, 39R, 47R, 51R, 68R, 75R, 82R, 100R, 120R, 150R, 180R, 220R, 270R, 330R, 390R, 470R, 560R, 680R, 820R, 1K, 1K2, 1K5, 1K8, 2K2, 2K7, 3K3, 3K9, 4K7, 5K6, 6K8, 8K2, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K, 150K, 270K, 470K, 680K, 1M, 3M9

CARBON / METAL FILM RESISTORS

0.25 Watt METAL FILM 1%

Price Mixed Value for \$0.05ea (minimum 10pcs)

To order quote .25M then the Value e.g. .25M1R

Stock Values: 1R, 10R, 20R, 22R, 39R, 47R, 49.9R, 68R, 100R, 120R, 150R, 220R, 300R, 390R, 470R, 820R, 1K, 1K2, 1K5, 1K8, 2K2, 2K7, 2K94, 3K3, 3K9, 4K7, 5K6, 6K8, 8K2, 9K1, 9K31, 10K, 11K, 12K, 13K, 14K, 15K, 18K, 22K, 27K, 33K, 47K, 68K, 100K, 150K, 680K, 1M, 2M2

1 Watt CARBON FILM 5%

Price Mixed Value for \$0.20ea

To order quote 1C then the Value e.g. 1C2.2R

Stock Values 2.2R, 270R

Values Not Listed above are Not stock items & should not be Ordered.

SIP RESISTORS



Xicon Resistor Networks 2.54mm pin spacing, 1/8 Watt

Order No	Description	Price ea
.125C10K / SIP6	10K x 5 in a 6 Pin Bussed Package.	\$0.25

GAS DISCHARGE TUBES



Suitable for high voltage static discharge protection. As used in the New HF Active Antenna Kit.

Order No	Description	Price ea
GDT 01	Gas Discharge Tube Bourns 90v DC (2035-09-BLF) <1pF @ 1MHz	\$2.50

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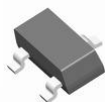
TRIMPOTS



TPV Trimpots have a 5mm pin spacing, & are adjustable from either side. Resin moulded construction, resistant to solder heat, flux & cleaning fluids. Also available is a small selection of SMD single turn & multiturn trimpots.

Order No	Description	Each
TPM500R	500ohm 25 Turn Top Adjust	\$2.20
TPM1K	1kohm 25 Turn Top Adjust	\$2.20
TPM100K	100Kohm 10mm 25Turn Top Adjust	\$1.25
TPM10K	10Kohm 10mm 25Turn Top Adjust	\$2.15
TPM50K	50Kohm 10mm 25Turn Top Adjust	\$1.25
TPM1M	1Mohm 10mm 25Turn Top Adjust	\$2.15
TPV200	200ohm Vertical Adj	\$0.40
TPV1K	1kohm Vertical Adj	\$0.40
TPV5K	5kohm Vertical Adj	\$0.40
TPU10K	10kohm 4mm SMD	\$0.55
TPV10K	10kohm Vertical Adj	\$0.40
TPV20K	20Kohm Vertical Adj	\$0.40
TPV50K	50kohm Vertical Adj	\$0.40
TPV100K	100kohm Vertical Adj	\$0.45
TPV500K	500kohm Vertical Adj	\$0.45
TPV1M	1Mohm Vertical Adj	\$0.45
TPU100R	100R 3mm SMD Murata	\$2.05
TPU500R	500R 3mm SMD Bourns	\$1.80
TPU5K	5kohm 4mm SMD Copal	\$0.80
TPU50K	50kohm 9turn 5mm SMD	\$0.55

TEMPERATURE SENSORS



The TC1047A is a linear voltage output temperature sensor that can accurately measure temperature between -40 to +125 degrees C.

Order No	Description	Price ea
TC1047A	Microchip Precision Temp to Volt Converter. SMD SOT-23	\$1.20

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PTC POLYSWITCH PROTECTORS



Positive Temperature Coefficient resistor that is suitable for over current protection. The specifications are in still air at 20degC. Trip & Hold I, (current) are in Amps. Pin spacing is 5mm.

Order No	Description	Hold I A	Trip I A	Price ea
RXE010	Polyswitch	0.10	0.20	\$1.40
RXE017	Polyswitch	0.17	0.34	\$1.40
RXE020	Polyswitch	0.20	0.40	\$1.00
RXE025	Polyswitch	0.25	0.50	\$1.55
RXE030	Polyswitch	0.30	0.60	\$1.55
RXE040	Polyswitch	0.40	0.80	\$1.55
RXE050	Polyswitch	0.50	1.00	\$1.70
RXE065	Polyswitch	0.65	1.30	\$1.70
1206LO16	Polyswitch	0.16	0.37	\$0.65

THERMISTORS



PTC & NTC, Positive/Negative Temperature Coefficient resistors that are suitable for temperature measurement or thermostat control.

Order No	Description	Price ea
PTC3K9 / 0805	Thermistor 3k9 0805 Vishay PTC Linear Temperature Curve Vishay TFPT0805L3901FV	\$2.20
NTC4K7 / 0805	Thermistor 4k7 0805 Epcos NTC Linear Temperature Curve Vishay NTCS08E3472HMT	\$1.10