

**RoHS  
Compliant**

## Standard Recovery Diode, 1 kV, 1 A, Single, 1.35 V, 30 A



42K2831

### Features

|                                     |                 |
|-------------------------------------|-----------------|
| Repetitive Reverse Voltage Vrrm Max | : 1kV           |
| Forward Current If(AV)              | : 1A            |
| Diode Configuration                 | : Single        |
| Forward Voltage VF Max              | : 1.35V         |
| Forward Surge Current Ifsm Max      | : 30A           |
| Operating Temperature Max           | : 150°C         |
| Diode Case Style                    | : DO-204AL      |
| No. of Pins                         | : 2Pins         |
| Product Range                       | : 1N4007 Series |

### Specifications

- Cathode indicated by polarity band
- 1200V Non-repetitive peak reverse voltage
- 700V RMS reverse voltage

## Small Signal Diode, Single, 100 V, 200 mA, 1 V, 4 ns, 1 A



58K9570

### Features

|                                     |                 |
|-------------------------------------|-----------------|
| Diode Configuration                 | : Single        |
| Repetitive Reverse Voltage Vrrm Max | : 100V          |
| Forward Current If(AV)              | : 200mA         |
| Forward Voltage VF Max              | : 1V            |
| Reverse Recovery Time trr Max       | : 4ns           |
| Forward Surge Current Ifsm Max      | : 1A            |
| Operating Temperature Max           | : 175°C         |
| Diode Case Style                    | : DO-204AH      |
| No. of Pins                         | : 2Pins         |
| Product Range                       | : 1N4148 Series |

### Specifications

- Forward surge current of 4A at pulse width 1 $\mu$ s and 1A at pulse width 1s
- Maximum repetitive reverse voltage of 100V
- Power dissipation is 500mW
- Operating junction temperature of 175°C
- Forward voltage of 1V at 10mA
- Reverse recovery time of 4ns

## Zener Single Diode, 5.1 V, 500 mW, DO-35, 5 %, 2 Pins, 175 °C



90R9455

### Features

|                           |         |
|---------------------------|---------|
| Zener Voltage Vz Typ      | : 5.1V  |
| Power Dissipation Pd      | : 500mW |
| Diode Case Style          | : DO-35 |
| Zener Tolerance ±         | : 5%    |
| No. of Pins               | : 2Pins |
| Operating Temperature Max | : 175°C |

### Specifications

- High reliability
- <math>5\mu\text{A}</math> Reverse leakage current at 2VR
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## LED, Red, Through Hole, T-1 3/4 (5mm), 10 mA, 2.1 V, 650 nm



14N9418

### Features

|                    |                 |
|--------------------|-----------------|
| LED Colour         | : Red           |
| LED Mounting       | : Through Hole  |
| LED Case Size      | : T-1 3/4 (5mm) |
| Forward Current If | : 10mA          |
| Forward Voltage    | : 2.1V          |
| Wavelength Typ     | : 650nm         |
| Luminous Intensity | : 2.8mcd        |
| Viewing Angle      | : 45°           |
| Lens Shape         | : Round         |

### Specifications

- 45mW Power dissipation
- -40 to +85°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Bipolar (BJT) Single Transistor, NPN, 40 V, 1 A, 625 mW, TO-226AA, Through Hole



58K2047

### Features

|                                    |                     |
|------------------------------------|---------------------|
| Transistor Polarity                | : NPN               |
| Collector Emitter Voltage V(br)ceo | : 40V               |
| DC Collector Current               | : 1A                |
| Power Dissipation Pd               | : 625mW             |
| Transistor Case Style              | : TO-226AA          |
| Transistor Mounting                | : Through Hole      |
| No. of Pins                        | : 3Pins             |
| Transition Frequency ft            | : 300MHz            |
| DC Current Gain hFE                | : 35hFE             |
| Operating Temperature Max          | : 150°C             |
| MSL                                | : MSL 1 - Unlimited |

### Specifications

- 75V Collector to base voltage (VCBO)
- 6V Emitter to base voltage (VEBO)
- 83.3°C/W Thermal resistance, junction to case
- 200°C/W Thermal resistance, junction to ambient
- 60ns Fall time (TA = 25°C)

## Bipolar (BJT) Single Transistor, PNP, -60 V, -800 mA, 625 mW, TO-226AA, Through Hole



31Y3455

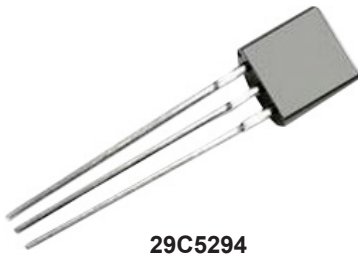
### Features

|                                    |                  |
|------------------------------------|------------------|
| Transistor Polarity                | : PNP            |
| Collector Emitter Voltage V(br)ceo | : -60V           |
| DC Collector Current               | : -800mA         |
| Power Dissipation Pd               | : 625mW          |
| Transistor Case Style              | : TO-226AA       |
| Transistor Mounting                | : Through Hole   |
| No. of Pins                        | : 3Pins          |
| Transition Frequency ft            | : 200MHz         |
| DC Current Gain hFE                | : 50hFE          |
| Operating Temperature Max          | : 150°C          |
| Product Range                      | : PN2907A Series |

### Specifications

- 75V Collector to base voltage (VCBO)
- 6V Emitter to base voltage (VEBO)
- 83.3°C/W Thermal resistance, junction to case
- 200°C/W Thermal resistance, junction to ambient
- 60ns Fall time (TA = 25°C)

## JFET Transistor, Junction Field Effect, -30 V, 5 mA, 15 mA, -6 V, TO-92, JFET



29C5294

### Features

|  |                     |
|--|---------------------|
| Breakdown Voltage Vbr                    | : -30V              |
| Zero Gate Voltage Drain Current Idss Min | : 5mA               |
| Zero Gate Voltage Drain Current Idss Max | : 15mA              |
| Gate-Source Cutoff Voltage Vgs(off) Max  | : -6V               |
| Transistor Case Style                    | : TO-92             |
| Transistor Type                          | : JFET              |
| No. of Pins                              | : 3 Pin             |
| Operating Temperature Max                | : 125°C             |
| MSL                                      | : MSL 1 - Unlimited |

### Specifications

- Cross-modulation minimized by square-law transfer characteristic
- High power gain
- Drain and gate leads separated for high maximum stable gain
- Cross-modulation minimized by square-law transfer characteristic

## Power MOSFET, N Channel, 60 V, 500 mA, 1.2 ohm, TO-92, Through Hole



58K8772

### Features

|                             |                     |
|-----------------------------|---------------------|
| Transistor Polarity         | : N Channel         |
| Drain Source Voltage Vds    | : 60V               |
| Continuous Drain Current Id | : 500mA             |
| On Resistance Rds(on)       | : 1.2ohm            |
| Transistor Case Style       | : TO-92             |
| Transistor Mounting         | : Through Hole      |
| Rds(on) Test Voltage Vgs    | : 10V               |
| Threshold Voltage Vgs       | : 2.1V              |
| Power Dissipation Pd        | : 830mW             |
| No. of Pins                 | : 3Pins             |
| Operating Temperature Max   | : 150°C             |
| MSL                         | : MSL 1 - Unlimited |

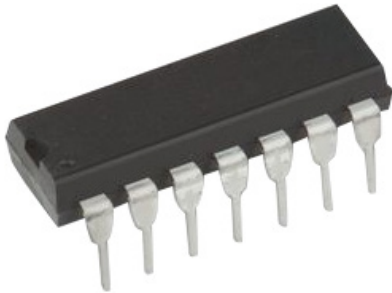
### Specifications

- Voltage Controlled Small Signal Switch
- Rugged and Reliable
- High Saturation Current Capability

## 80AH9065

Diodes Inc., Power Mosfet, P Channel, 45 V, 230 Ma, 14Ω, E-Line, Through Hole

## IC, Complementary Invert., 4007



29AH3548

### Features

|                           |            |
|---------------------------|------------|
| Logic Type                | : Inverter |
| Logic Case Style          | : DIP      |
| No. of Pins               | : 14Pins   |
| Supply Voltage Min        | : 3V       |
| Supply Voltage Max        | : 18V      |
| Operating Temperature Min | : -55°C    |
| Operating Temperature Max | : 125°C    |

## IC, OP AMP, JFET, DIP8

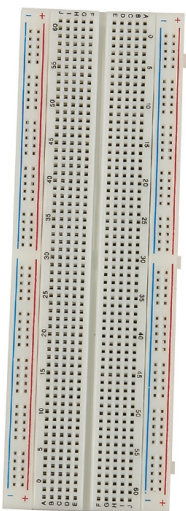


08F9317

### Features

|                           |               |
|---------------------------|---------------|
| No. of Amplifiers         | : 1 Amplifier |
| Bandwidth                 | : 4MHz        |
| Slew Rate                 | : 13V/μs      |
| Supply Voltage Range      | : 7V to 36V   |
| Amplifier Case Style      | : DIP         |
| No. of Pins               | : 8Pins       |
| Operating Temperature Min | : 0°C         |
| Operating Temperature Max | : 70°C        |

## Breadboard, Solderless, ABS (Acrylonitrile Butadiene Styrene), 8.5mm, 165mm x 56mm



99W1760

### Features

|                                     |                         |
|-------------------------------------|-------------------------|
| Breadboard Type                     | : Solderless Breadboard |
| Total Number of Tie Points          | : 830Tie Points         |
| No. of Distribution Strips / Buses  | : 2Bus Strips           |
| No. of Terminal Strips              | : 1 Terminal Strip      |
| Board Dimensions (L x W) - Imperial | : 6.5" x 2.2"           |
| Board Dimensions (L x W) - Metric   | : 165mm x 56mm          |

### Specifications

- 300V/3 to 5A electrical ratings
- 1000VAC for one minute Withstanding Voltage
- 500MΩ/DC500V Insulation resistance
- Multicomp products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## 140 Pc. Jumper Wire Kit, 22 AWG, Solid, Insulated, Assorted Lengths and Colors, Pre-Stripped, Case

### Features

|              |  |
|--------------|--|
| Wire Gauge   | : 22AWG                                      |
| Jacket Color | : Multi-colored                              |
| Kit Contents | : 140Pcs of Jumper Wires in Assorted Lengths |



### WK-1, Jumper Wire Kit, 350 pcs.

The Global Specialties WK-1 Wire Kit contains 350 pre-cut, prestripped and pre-formed #22 gauge insulated solid hookup wires. The WK-1 consists of 25 each of 14 different sized, color-coded lengths of 0.1 inches through 5.0 inches. The WK-1 comes in a compartmentalized plastic case and each group of wires are individually wrapped to prevent mix-ups in shipping



### WK-2, Jumper Wire Kit, 140 pcs.

The Global Specialties WK-2 Wire Kit contains 140 pre-cut, prestripped and pre-formed #22 gauge insulated solid hook-up wires. The WK-2 comes in a compartmentalized plastic case and each group of wires are individually wrapped to prevent mix-ups in shipping.

10R0134



### WK-3, Jumper Wire Kit, 70 pcs.

The Global Specialties WK-3 Wire Kit contains 70 pre-cut, prestripped and pre-formed #22 gauge insulated solid hookup wires. The WK-3 comes in a compartmentalized plastic case and each group of wires are individually wrapped to prevent mix-ups in shipping.

### WK-4, Jumper Wire Kit, 100 pcs

The Global Specialties WK-4 Wire Kit contains 100 pre-cut premium #22 gauge insulated stranded wire. Each wire comes with specially-designed, machined pins soldered to each end to allow for extended insertion life and maximum surface contact. The WK-4 comes in a convenient plastic case.

## Battery, 9 V, Alkaline, 400 mAh, Snap Contact



03F7071

### Features

|                    |                |
|--------------------|----------------|
| Battery Voltage    | : 9V           |
| Battery Technology | : Alkaline     |
| Battery Capacity   | : 400mAh       |
| Battery Terminals  | : Snap Contact |
| External Diameter  | : -            |
| External Height    | : 48.5mm       |
| External Width     | : 26.5mm       |
| External Depth     | : 17.5mm       |
| Weight             | : 37g          |
| Battery IEC Code   | : 6F22         |
| Battery NEDA Code  | : 1604D        |

## Battery Holder, PP3 (9V) x 1, Strap, Wire Leads



58K2897

### Features

|                        |            |
|------------------------|------------|
| Battery Sizes Accepted | : PP3 (9V) |
| No. of Batteries       | : 1        |
| Battery Holder Mount   | : Strap    |

### Specifications

- Fully assembled
- Rigid assembly
- Made of high impact molded plastic with integral wire lead strain relief

## Minigrabber® Test Clip to Stacking Banana plug, 36", Red



10M4287

### Features

|                        |                             |
|------------------------|-----------------------------|
| Test Connector Type A  | : Hook Clip                 |
| Test Connector Type B  | : 4mm Stackable Banana Plug |
| Voltage Rating         | : 60V                       |
| Current Rating         | : 5A                        |
| Insulator Colour       | : Red                       |
| Lead Length - Metric   | : 914.4mm                   |
| Lead Length - Imperial | : 36"                       |

### Specifications

- Provides a Minigrabber output from a Banana Jack
- Banana plug is capable of vertical and cross stacking
- Mates to Model 1581 or any standard Banana Jack
- Cable length is 36" (914mm)
- Color is Red

## Through Hole Resistor, 100Ω, 250 mW, ± 5%, Axial Leded, 250 V



58K5000

### Specifications

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

### Features

|                         |               |
|-------------------------|---------------|
| Resistance              | : 100Ω        |
| Power Rating            | : 250mW       |
| Resistance Tolerance    | : ± 5%        |
| Resistor Case Style     | : Axial Leded |
| Voltage Rating          | : 250V        |
| Resistor Element Type   | : Carbon Film |
| Temperature Coefficient | : -450ppm/°C  |

## Through Hole Resistor, 510Ω, 250 mW, ± 5%, Axial Leded, 250 V



59K8386

### Specifications

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

### Features

|                         |               |
|-------------------------|---------------|
| Resistance              | : 510Ω        |
| Power Rating            | : 250mW       |
| Resistance Tolerance    | : ± 5%        |
| Resistor Case Style     | : Axial Leded |
| Voltage Rating          | : 250V        |
| Resistor Element Type   | : Carbon Film |
| Temperature Coefficient | : -450ppm/°C  |



## Through Hole Resistor, 1 k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



58K5001

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 1k $\Omega$           |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 10 k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



58K5002

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 10k $\Omega$          |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 100 kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5003

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 100kΩ        |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -700ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 1MΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5004

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 1MΩ          |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -700ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 2 k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



58K5025

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 2k $\Omega$           |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 3.9k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



59K8375

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 3.9k $\Omega$         |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 6.8 kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5069

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 6.8kΩ        |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -450ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 15kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5016

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 15kΩ         |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -450ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 22k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



58K5031

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 22k $\Omega$          |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 33k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



58K5044

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 33k $\Omega$          |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 47k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



58K5057

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 47k $\Omega$          |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 68k $\Omega$ , 250 mW, $\pm$ 5%, Axial Leaded, 250 V



58K5070

### Features

|                         |                         |
|-------------------------|-------------------------|
| Resistance              | : 68k $\Omega$          |
| Power Rating            | : 250mW                 |
| Resistance Tolerance    | : $\pm$ 5%              |
| Resistor Case Style     | : Axial Leaded          |
| Voltage Rating          | : 250V                  |
| Resistor Element Type   | : Carbon Film           |
| Temperature Coefficient | : -450ppm/ $^{\circ}$ C |

### Specification

- 1000M $\Omega$  Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155 $^{\circ}$ C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 150kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5017

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 150kΩ        |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -700ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 220kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5032

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 220kΩ        |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -700ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 330kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5045

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 330kΩ        |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -700ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Through Hole Resistor, 470kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5058

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 470kΩ        |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -700ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend



## Through Hole Resistor, 680kΩ, 250 mW, ±5%, Axial Leaded, 250 V



58K5071

### Features

|                         |                |
|-------------------------|----------------|
| Resistance              | : 680kΩ        |
| Power Rating            | : 250mW        |
| Resistance Tolerance    | : ± 5%         |
| Resistor Case Style     | : Axial Leaded |
| Voltage Rating          | : 250V         |
| Resistor Element Type   | : Carbon Film  |
| Temperature Coefficient | : -700ppm/°C   |

### Specification

- 1000MΩ Insulation resistance
- 500V Dielectric withstanding voltage
- 250V Maximum working voltage
- 500V Maximum overload voltage
- -55 to 155°C Operating temperature range
- Multicomp Pro products are rated 4.6 out of 5 stars
- 12 month limited warranty \*view Terms & Conditions for details
- 96% of customers would recommend to a friend

## Trimpot, Single Turn, Cermet, Top Adjust, 10 kΩ, Through Hole, 1 Turns



17M3619

### Features

|                                   |                   |
|-----------------------------------|-------------------|
| Trimpot Type                      | : Single Turn     |
| Element Material                  | : Cermet          |
| Adjustment Type                   | : Top Adjust      |
| Track Resistance                  | : 10kohm          |
| Potentiometer Mounting            | : Through Hole    |
| No. of Turns                      | : 1Turns          |
| Product Range                     | : 3362 Series     |
| Power Rating                      | : 500mW           |
| Resistance Tolerance              | : ± 10%           |
| Temperature Coefficient           | : ± 100ppm/°C     |
| Trimpot Shape / Size              | : 1/4 Inch Square |
| Automotive Qualification Standard | : AEC-Q200        |

| Order Code | Name   | Quantity |
|------------|--|----------|
| 42K2831    | Standard Recovery Diode, 1 kV, 1 A, Single, 1.35 V, 30 A                             | 4        |
| 58K9570    | Small Signal Diode, Single, 100 V, 200 mA, 1 V, 4 ns, 1 A                            | 4        |
| 90R9455    | Zener Single Diode, 5.1 V, 500 mW, DO-35, 5 %, 2 Pins, 175 °C                        | 2        |
| 14N9418    | LED, Red, Through Hole, T-1 3/4 (5mm), 10 mA, 2.1 V, 650 nm                          | 4        |
| 58K2047    | Bipolar (BJT) Single Transistor, NPN, 40 V, 1 A, 625 mW, TO-226AA, Through Hole      | 4        |
| 31Y3455    | Bipolar (BJT) Single Transistor, PNP, -60 V, -800 mA, 625 mW, TO-226AA, Through Hole | 4        |
| 29C5294    | JFET Transistor, Junction Field Effect, -30 V, 5 mA, 15 mA, -6 V, TO-92, JFET        | 2        |
| 58K8772    | Power MOSFET, N Channel, 60 V, 500 mA, 1.2 ohm, TO-92, Through Hole                  | 6        |

| Order Code | Name   | Quantity |
|------------|--|----------|
| 80AH9065   | Power Mosfet, P Channel, 45 V, 230 Ma, 14Ω, E-Line, Through Hole                                   | 4        |
| 29AH3548   | IC, Complementary Invert., 4007  | 3        |
| 08F9317    | IC, OP AMP, JFET, DIP8   | 4        |
| 99W1760    | Breadboard, Solderless, ABS (Acrylonitrile Butadiene Styrene), 8.5mm, 165mm x 56mm                 | 1        |
| 10R0134    | 140 Pc. Jumper Wire Kit, 22 AWG, Solid, Insulated, Assorted Lengths and Colors, Pre-Stripped, Case | 1        |
| 03F7071    | Battery, 9 V, Alkaline, 400 mAh, Snap Contact  | 2        |
| 58K2897    | Battery Holder, PP3 (9V) x 1, Strap, Wire Leads  | 2        |
| 10M4287    | Minigrabber® Test Clip to Stacking Banana plug, 36", Red   | 2        |
| 58K5000    | Through Hole Resistor, 100Ω, 250 mW, ± 5%, Axial Leaded, 250 V                                     | 10       |
| 59K8386    | Through Hole Resistor, 510Ω, 250 mW, ± 5%, Axial Leaded, 250 V                                     | 10       |
| 58K5001    | Through Hole Resistor, 1 kΩ, 250 mW, ± 5%, Axial Leaded, 250 V                                     | 10       |
| 58K5002    | Through Hole Resistor, 10 kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                     | 10       |
| 58K5003    | Through Hole Resistor, 100 kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                    | 10       |
| 58K5004    | Through Hole Resistor, 1MΩ, 250 mW, ±5%, Axial Leaded, 250 V                                       | 10       |
| 58K5025    | Through Hole Resistor, 2 kΩ, 250 mW, ± 5%, Axial Leaded, 250 V                                     | 5        |
| 59K8375    | Through Hole Resistor, 3.9kΩ, 250 mW, ± 5%, Axial Leaded, 250 V                                    | 5        |
| 58K5069    | Through Hole Resistor, 6.8 kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                    | 5        |
| 58K5016    | Through Hole Resistor, 15kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                      | 5        |
| 58K5031    | Through Hole Resistor, 22kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                      | 5        |
| 58K5044    | Through Hole Resistor, 33kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                      | 5        |
| 58K5057    | Through Hole Resistor, 47kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                      | 5        |
| 58K5070    | Through Hole Resistor, 68kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                      | 5        |
| 58K5017    | Through Hole Resistor, 150kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                     | 2        |
| 58K5032    | Through Hole Resistor, 220kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                     | 2        |
| 58K5045    | Through Hole Resistor, 330kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                     | 2        |
| 58K5058    | Through Hole Resistor, 470kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                     | 2        |
| 58K5071    | Through Hole Resistor, 680kΩ, 250 mW, ±5%, Axial Leaded, 250 V                                     | 2        |
| 17M3619    | Trimpot, Single Turn, Cermet, Top Adjust, 10 kΩ, Through Hole, 1 Turns                             | 2        |

## Part Number Table

| Description        | Part Number |
|--------------------|-------------|
| Assortments & Kits | EC410       |

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.