

NICHROME HEATER SOLDERING IRONS/ GAS-POWERED SOLDERING IRONS

| | |
|-------------------------------------|-----------------------|
| GENERAL ELECTRONICS SOLDERING IRONS | <i>KS/KX series</i> |
| SHEET-METAL SOLDERING IRONS | <i>HP series</i> |
| DUAL-POWER SOLDERING IRONS | <i>KYP-60/70</i> |
| PORTABLE SOLDERING IRON WITH CAP | <i>CA-30R/40R</i> |
| LOW-VOLTAGE SOLDERING IRONS | <i>MI-6 series</i> |
| GAS-POWERED SOLDERING IRONS | <i>GP series</i> |
| RED / BLACK TIPS | <i>R/RD/RB series</i> |
| COPPER TIPS | <i>T series</i> |

NICHROME HEATER SOLDERING IRONS/GAS-POWERED SOLDERING IRONS

Our best-selling soldering iron.

GENERAL ELECTRONICS
SOLDERING IRONS



KS Series

RED TIP
Long-life tips

LIGHT GRIP
Easy to use



KS-30R

New ergonomic design.

GENERAL ELECTRONICS
SOLDERING IRONS



KX Series

RED TIP
Long-life tips

ERGONOMIC HANDLE
Reduces fatigue



KX-30R

| Model / Application | IC | P.C. Board | Transistors | Coils/Heatsinks | Relays | Switches | Connectors | Lead wires | Coaxial Cables | Metal Cases |
|---------------------|----|------------|-------------|-----------------|--------|----------|------------|------------|----------------|-------------|
| KS-20R / KX-20R | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| KS-30R / KX-30R | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| KS-40R / KX-40R | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| KS-60R / KX-60R | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| KS-80R / KX-80R | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| KS-100R / KX-100R | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

○ The most suitable ○ Suitable — Not suitable

SPECIFICATIONS

KS series

| Model | KS-20R | KS-30R | KS-40R |
|-------------------|---|--------|--------|
| Voltage | 110V, 120V, 130V, 220V, 240V AC 50/60Hz | | |
| Power Consumption | 20W | 30W | 40W |
| Heater | Nichrome Heater | | |
| Length | 205mm | | |
| Weight | 45g | | |
| Accessories | Soldering Iron Tip | | |
| | R-48SB | R-48B | R-48B |

| Model | KS-60R | KS-80R | KS-100R |
|-------------------|---|---------|---------|
| Voltage | 110V, 120V, 130V, 220V, 240V AC 50/60Hz | | |
| Power Consumption | 60W | 80W | 100W |
| Heater | Nichrome Heater | | |
| Length | 230mm | 235mm | 240mm |
| Weight | 65g | 70g | 75g |
| Accessories | Soldering Iron Tip | | |
| | R-6B | RD-67BC | RD-68BC |

*The length does not include the cord bushing. The weight does not include the cord.

KX series

| Model | KX-20R | KX-30R | KX-40R |
|-------------------|---|--------|--------|
| Voltage | 110V, 120V, 130V, 220V, 240V AC 50/60Hz | | |
| Power Consumption | 20W | 30W | 40W |
| Heater | Nichrome Heater | | |
| Length | 208mm | | |
| Weight | 50g | | |
| Accessories | Soldering Iron Tip | | |
| | R-48SB | R-48B | R-48B |

| Model | KX-60R | KX-80R | KX-100R |
|-------------------|---|---------|---------|
| Voltage | 110V, 120V, 130V, 220V, 240V AC 50/60Hz | | |
| Power Consumption | 60W | 80W | 100W |
| Heater | Nichrome Heater | | |
| Length | 233mm | 238mm | 243mm |
| Weight | 70g | 75g | 80g |
| Accessories | Soldering Iron Tip | | |
| | R-6B | RD-67BC | RD-68BC |

*The length does not include the cord bushing. The weight does not include the cord.

REPLACEMENT PARTS / OPTIONS

| | |
|----------------------|------------------------|
| KS-20R/KX-20R Heater | KS-30R/KX-30R Heater |
| KS-20H | KS-30H |
| KS-40R/KX-40R Heater | KS-60R/KX-60R Heater |
| KS-40H | KS-60H |
| KS-80R/KX-80R Heater | KS-100R/KX-100R Heater |
| KS-80H | KS-100H |
| Recommended Stand | Recommended Stand |
| ST-75 | ST-11 |

REPLACEMENT TIPS

| | | |
|----------------|----------------|-------------|
| <p>R-48SB</p> | <p>R-48B</p> | <p>R-6B</p> |
| <p>RD-67BC</p> | <p>RD-68BC</p> | |

High power. Suitable for sheet-metal work.



SHEET-METAL SOLDERING IRONS HP-150/200/300

WOODEN HANDLE
Has good insulation

LARGE COPPER TIP
Can be shaped to suit your work purpose

SPECIFICATIONS

| Model | HP-150 | HP-200 | HP-300 |
|-------------------|---|--------|--------|
| Voltage | 110V, 120V, 130V, 220V, 240V AC 50/60Hz | | |
| Power Consumption | 150W | 200W | 300W |
| Heater | Nichrome Heater | | |
| Length | 360mm | 370mm | 390mm |
| Weight | 450g | 610g | 710g |
| Accessories | Soldering Iron Tip | | |
| | T-13A | T-16A | T-19A |

*The length does not include the cord bushing. The weight does not include the cord.



REPLACEMENT TIPS

| HP-150 T-13A | HP-200 T-16A | HP-300 T-19A |
|-----------------|-----------------|-----------------|
| | | |

REPLACEMENT PARTS / OPTIONS

HP-150 Heater
HP-150H

HP-300 Heater
HP-300H

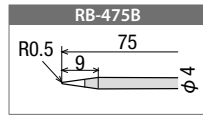
HP-200 Heater
HP-200H

Recommended Stand
ST-70

NICHROME HEATER SOLDERING IRONS/GAS-POWERED SOLDERING IRONS

For hobby use with dual switch. **RoHS** DUAL-POWER SOLDERING IRONS **KYP-60/70**

High 60W power when trigger is pulled.



KYP-70 comes with heat resistant cap for quick storage.

For other replacement tips, refer to next page.



SPECIFICATIONS

| Model | KYP-60 | KYP-70 |
|-------------------|---|--------|
| Voltage | 110V, 120V, 130V, 220V, 240V AC 50/60Hz | |
| Power Consumption | Trigger ON 60W/Trigger OFF 30W | |
| Heater | Nichrome Heater | |
| Length | 175mm | |
| Weight | 160g | |
| Accessories | TQ-CAP (KYP-70), Soldering Iron Tip : RB-475B | |

*The length does not include the cord bushing. The weight does not include the cord.

REPLACEMENT PARTS / OPTIONS

| | |
|-----------------------------------|--|
| Heater KYP-70H | Heat Resistant Cap for KYP-70 TQ-CAP |
| Recommended Stand ST-11 | |

Store quickly after soldering. **RoHS** PORTABLE SOLDERING IRON WITH CAP **CA-30R/40R**

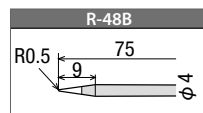


CA-30R

SPECIFICATIONS

| Model | CA-30R | CA-40R |
|-------------------|---|--------|
| Voltage | 110V, 120V, 130V, 220V, 240V AC 50/60Hz | |
| Power Consumption | 30W | 40W |
| Heater | Nichrome Heater | |
| Length | 185mm | |
| Weight | 60g | |
| Accessories | Soldering Iron Tip : R-48B | |

*The length does not include the cord bushing. The weight does not include the cord.



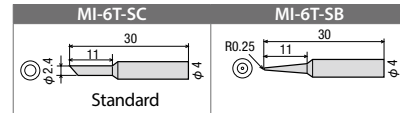
For other replacement tips, refer to next page.



REPLACEMENT PARTS / OPTIONS

| | |
|-------------------------------------|-----------------------------------|
| CA-30R Heater KS-30H | CA-40R Heater KS-40H |
| Heat Resistant Cap TQ-CAP | Recommended Stand ST-11 |

Length only 150mm! Weight only 9g! **RoHS** LOW-VOLTAGE SOLDERING IRONS **MI-6-6V/MI-6-12V**



⚠ The tip and heater barrel connect to the minus pole (-) of the power supply. When using power from a car cigarette-lighter socket, never let the iron come into contact with the plus pole (+) of the car's electrical circuitry, or it may short-circuit or cause serious damage.

SPECIFICATIONS

| Model | MI-6-6V | MI-6-12V |
|-------------------|-------------------------------|----------------|
| Voltage | 5-6V AC / DC | 11-12V AC / DC |
| Power Consumption | 6W | |
| Heater | Nichrome Heater | |
| Length | 150mm | |
| Weight | 9g | |
| Accessories | Soldering Iron Tip : MI-6T-SC | |

*The length does not include the cord bushing. The weight does not include the cord.

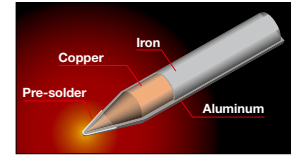
REPLACEMENT PARTS / OPTIONS

| | |
|-----------------------------------|-------------------------------------|
| MI-6-6V Heater MI-6H-6V | MI-6-12V Heater MI-6H-12V |
| Recommended Stand ST-30 | |

10 to 20 times longer life than normal copper tips.



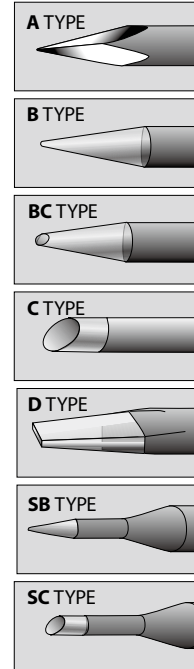
The **goot Red Tips** are genuine, long-life replacement tips. Made of iron-plated copper, coated with aluminum. 10 to 20 times longer life than normal copper tips. Hi-precision processed tips achieve extremely accurate soldering work. The **goot Black tips** are made of copper, iron plated, and covered with heat resistant coating.



RED TIPS / BLACK TIPS R/RD/RB series

| Tip Applicable Model List | | | | | |
|---------------------------|---------|--------|--------|--------------------|---|
| SPEC | MODEL | TYPE | DIA. | LENGTH | APPLICABLE MODEL |
| Black Tip | RB-475B | B | φ4mm | 75mm | KYP-60, KYP-70 |
| | RB-680B | B | φ6mm | 80mm | KX-60R, KS-60R |
| Red Tip | R-48B | B | φ4mm | 75mm | CA-30/40R KS-20R/30R/40R KYP-60, KYP-70 KX-20R, KX-30R, KX-40R |
| | R-48BC | BC | | | |
| | R-48C | C | | | |
| | R-48D | D | | | |
| | R-48SB | SB | | | |
| | R-48SC | SC | | | |
| | R-6B | B | φ6mm | 80mm | KS-60R KX-60R |
| | R-6BC | BC | | | |
| | R-6C | C | | | |
| | R-6D | D | | | |
| | R-6SB | SB | | | |
| | R-6SC | SC | | | |
| | RD-67B | B | φ6-7mm | 83mm | KS-80R KX-80R |
| | RD-67BC | BC | | | |
| | RD-67C | C | | | |
| | RD-67D | D | | | |
| RD-68B | B | φ6-8mm | 88mm | KS-100R KX-100R | |
| RD-68BC | BC | | | | |
| RD-68C | C | | | | |
| RD-68D | D | | | | |

TIP SHAPES



File reshaping available.



COPPER TIPS T series

| Tip Applicable Model List | | | | | |
|---------------------------|-------|------|-------|--------|------------------|
| SPEC | MODEL | TYPE | DIA. | LENGTH | APPLICABLE MODEL |
| Copper Tip | T-13A | A | φ13mm | 115mm | HP-150 |
| | T-16A | A | φ16mm | 120mm | HP-200 |
| | T-19A | A | φ19mm | 135mm | HP-300 |

Tip Size Table

| | TYPE | | R-48 | R-6 | RD-67 | RD-68 |
|----|------|---|------|-----|-------|-------|
| B | | a | 0.5 | 0.8 | 0.6 | 0.6 |
| | | b | 9 | 12 | 15 | 17 |
| | | c | 7 | 10 | 10 | 10 |
| BC | | a | 1.2 | 1.6 | 1.5 | 1.5 |
| | | b | 9 | 12 | 15 | 17 |
| | | c | 45 | 45 | 45 | 45 |
| C | | a | 4 | 6 | 7 | 8 |
| | | b | 7 | 10 | 10 | 12 |
| | | c | 45 | 45 | 45 | 45 |
| D | | a | 1 | 1.2 | 1 | 1 |
| | | b | 3.2 | 4.2 | 4 | 4 |
| | | c | 13 | 25 | 26 | 27 |
| SB | | a | 0.3 | 0.3 | - | - |
| | | b | 14 | 18 | - | - |
| | | c | 2 | 3 | - | - |
| SC | | a | 2 | 3 | - | - |
| | | b | 14 | 18 | - | - |
| | | c | 45 | 45 | - | - |

Tip Size Table

| | TYPE | | T-13 | T-16 | T-19 |
|---|------|---|------|------|------|
| A | | a | 2 | 3 | 3 |
| | | b | 20 | 25 | 30 |
| | | c | 13 | 16 | 19 |

During soldering, the flux may cause deformation or holes to appear in the copper tip. Please use a file to reshape the tip.

NICHROME HEATER SOLDERING IRONS/GAS-POWERED SOLDERING IRONS

High thermal-efficiency brass tip. **RoHS**

GAS-POWERED SOLDERING IRON GP-101S



● Compact gas soldering iron. Heats quickly. Takes only 30 seconds from ignition until soldering. ● Controls equivalent power of 10-60W with the temperature adjuster (at max temperature 480°C).

NOTE: Fill with gas before use.

| SPECIFICATIONS | |
|---------------------------|--|
| Model | GP-101S |
| Ignition System | Flint-type ignition system |
| Combustion System | Gas Heating System |
| Gas Type | Butane lighter gas |
| Max. Temp. Output | Soldering Iron: 480°C |
| Refill Time | 3 sec. |
| Operation Time Per Refill | Approx. 45 mins. (with temp.set at max.) |
| Length | 157mm |
| Weight | 43g |

| REPLACEMENT TIPS | | |
|------------------|--------------|--------------|
| GP-101T-1C | GP-101T-2.4C | GP-101T-3.2C |
| | | |
| GP-101T-4.8C | GP-101CU | |
| | | |

Take high power outdoors. **RoHS**

GAS-POWERED SOLDERING IRON GP-501 *PORTASOL SUPER PRO*



- Heats quickly. Takes only 30 seconds from ignition until soldering. Controls equivalent power of 25-125W with the temperature adjuster.
- Operates approx. 45 minutes between refills (when used at max. temperature as a soldering iron).
- One-handed, one-touch ignition switch.
- Can be used as a blow torch by removing the tip. With optional tips, do soldering work for large metal or precision PCBs, or use as a hot knife or a hot air tool.



NOTE: Fill with gas before use.

| SPECIFICATIONS | |
|---------------------------|--|
| Model | GP-501 |
| Ignition System | Piezo electricity ignition system |
| Combustion System | Gas Heating System |
| Gas Type | Butane lighter gas |
| Max. Temp. Output | 580°C (Soldering Iron) 1300°C (Blow Torch) 625°C (Hot Air) |
| Refill Time | 20 sec. |
| Operation Time Per Refill | Approx. 45 mins. (for soldering) |
| Length | 223mm |
| Weight | 147g |

| REPLACEMENT TIPS | | |
|------------------|---------------|---------------|
| GP-501RT-1C | GP-501RT-2.4C | GP-501RT-3.2C |
| | | |
| GP-501RT-4.8C | GP-501RT-1D | GP-501RT-2.4D |
| | | |
| GP-501RT-3.2D | GP-501RT-4.8D | GP-501CU |
| | | |
| GP-501HT | | |
| | | |

Long-life iron-plated tips.

Piezo ignition, compact type. **RoHS**
GAS-POWERED SOLDERING IRON
GP-510 PORTASOL PRO PIEZO



- Heats quickly. Takes only 30 seconds from ignition until soldering. Controls equivalent power of 15-75W with the temperature adjuster.
- Optional tip converts it to a hot knife or other hot air tools.
- Operates approx. 45 minutes between refills (when used at max. temperature as a soldering iron).
- One-handed, one-touch ignition switch.



NOTE: Fill with gas before use.

| SPECIFICATIONS | |
|---------------------------|---|
| Model | GP-510 |
| Ignition System | Piezo electricity ignition system |
| Combustion System | Gas Heating System |
| Gas Type | Butane lighter gas |
| Max. Temp. Output | 580°C (Soldering Iron) 625°C (Hot Air) |
| Refill Time | 20 sec. |
| Operation Time Per Refill | Approx. 45 mins. (for soldering) |
| Length | 175mm |
| Weight | 65g |

| REPLACEMENT TIPS | | |
|--------------------------|--------------------------|---|
| GP-510RT-1C | GP-510RT-2.4C | GP-510RT-3.2C |
| GP-510RT-4.8C | GP-510RT-1D | GP-510RT-2.4D |
| GP-510RT-3.2D | GP-510RT-4.8D | GP-510CU |
| GP-510HT | GP-510ST | <p>Must be used with the GP-510HT.</p> |

Long-life iron-plated tips.

A set of soldering iron, 3 tips, cleaner, stand, and case. **RoHS**
GAS-POWERED SOLDERING IRON SET
GP-510SET PORTASOL PRO PIEZO SET



- Controls equivalent power of 15-75W with the temperature adjuster.
- Replacement tip converts it to a hot air tool.

NOTE: Fill with gas before use.



Hot air Soldering 2.4mm Soldering 1.0mm

By connecting the enclosed shrink tip, shrink tube processing is easy.

INCLUDED ITEMS

Soldering iron, 2 Soldering tips (2.4mm, 1mm), Hot air tip, Tip cleaner, Iron stand, and Case

| | |
|--|--|
| SOLDERING IRON Max tip temperature 580°C | 2 soldering tips: 1mm and 2.4mm. Ideal for repair of PCBs, communication cables, stained glass, models, vehicles, ships, and antennas. |
| HOT AIR TOOL Max temperature 625°C | Ideal for wiring heat-shrink-tube, vinyl-chloride welding, and applying cream solder. |

| SPECIFICATIONS | |
|---------------------------|---|
| Model | GP-510SET |
| Ignition System | Piezo electricity ignition system |
| Combustion System | Gas Heating System |
| Gas Type | Butane lighter gas |
| Max. Temp. Output | 580°C (Soldering Iron) 625°C (Hot Air) |
| Refill Time | 20 sec. |
| Operation Time Per Refill | Approx. 45 mins. (for soldering) |
| Length | 175mm |
| Weight | 65g |

TIPS INCLUDED IN SET

Replacement tips are interchangeable with **GP-510**.

| | | |
|---|--------------------------|---------------------|
| GP-510RT-1C | GP-510RT-2.4C | GP-510HT |
| GP-510ST | | |
| <p>Must be used with the GP-510HT.</p> | | |

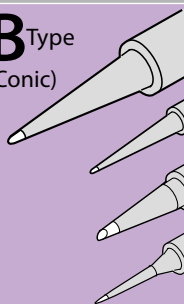
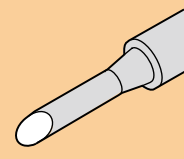
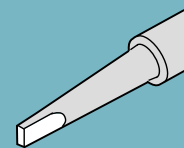
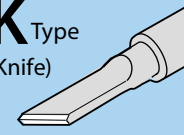
Long-life iron-plated tips.

YOUR BEST TIP

Custom tips are available. For industrial robots, improved productivity, cost cutting... , please contact a *goot* distributor.

Tip shape is crucial to soldering quality and efficiency. Here are our main tip shapes, and applicable works. Please refer to this table for your tip selection.

◎ Best ○ Good △ OK × NO

| Spec | LEAD COMPONENTS | | | | SMD | | OTHERS | | | | | NOTE | |
|---|---|---------------|-----------|-------------------|---------|---------------------------------------|----------------|----------------|-------------------------------|------------|------------|------|--|
| | Condenser, Resistor, Small components | DIP, SIP, ICs | Lead wire | Connector, Switch | Flat IC | Condenser, Resistor, Small components | Large terminal | Fine lead wire | Small components, Narrow area | Small part | Large part | | |
| B Type (Conic)  | B | ◎ | ◎ | ◎ | ◎ | △ | △ | ○ | △ | △ | ○ | △ | General purpose |
| | LB longer slim | ◎ | ○ | ◎ | ○ | ○ | ○ | × | ○ | × | ○ | × | General purpose, small area |
| | BC with cut face | ◎ | ◎ | ◎ | ◎ | ○ | △ | ○ | △ | △ | ○ | △ | General purpose, moderately large area |
| | SB fine tip | ○ | ○ | ○ | ○ | ◎ | ◎ | × | ◎ | × | ◎ | × | General purpose, small heat load |
| C Type (with Slant column-cut)  | 1C face approx. 1mm | △ | △ | △ | ○ | ◎ | ◎ | × | ◎ | ○ | ◎ | × | Small heat load |
| | 2C face approx. 2mm | ○ | △ | ○ | ○ | △ | △ | △ | △ | ◎ | △ | △ | Moderately large area or harness |
| | 3C face approx. 3mm | | × | ○ | ○ | × | × | ◎ | × | ◎ | × | ○ | Large area or harness |
| | 4C face approx. 4mm | × | × | | × | × | × | ◎ | × | ◎ | × | ◎ | Large area or large heat load |
| | 5C face approx. 5mm | × | × | | × | × | × | ◎ | × | ◎ | × | ◎ | Large area or large heat load |
| D Type Flathead(-)  | 0.8D tip line width approx. 0.8mm | ○ | ○ | ○ | ○ | ◎ | ◎ | × | ○ | △ | ◎ | × | Small area or small heat load |
| | 1.6D tip line width approx. 1.6mm | ○ | ○ | ◎ | ○ | △ | ◎ | × | △ | △ | ○ | × | Small area or small heat load |
| | 2D tip line width approx. 2mm | ○ | | ◎ | ◎ | × | ○ | △ | × | ○ | △ | × | Small area or lead wire |
| | 2.4D tip line width approx. 2.4mm | | × | ◎ | ◎ | × | ○ | ◎ | × | ○ | × | ○ | Small area or lead wire |
| | 3.2D tip line width approx. 3.2mm | | × | ◎ | ◎ | × | ○ | ◎ | × | ◎ | × | ◎ | Small area or large heat load |
| K Type (Knife)  | 5K width 5mm | × | × | × | × | ◎ | × | × | × | ◎ | × | △ | For bridges |