### RELAYS

**AUTOMOTIVE / POWER RELAYS**

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<th>Relay Type</th>
<th>Description</th>
<th>Alternate Parts</th>
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<tr>
<td>SPDT 40 AMP AUTO RELAY</td>
<td>12 Vdc, 88 Ohm coil. Contacts rated 40A. Plastic enclosed relay, 1.1&quot; x 1.2&quot; x 1&quot; high. Plastic flange for bulkhead mounting. Mounts in standard automotive relay socket.</td>
<td>CAT# RLY-351</td>
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<tr>
<td>12VDC SPDT AUTOMOTIVE RELAY</td>
<td>Hella# 007794301 (4RD 007 794 30) Shrouded weatherproof relay with mounting tab. N.O., 40A/ N.C. 20A. Coil resistance, 85 Ohm. 680 Ohm suppression resistor. 1/4 QC terminals.</td>
<td>CAT# RLY-657</td>
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<tr>
<td>12VDC 25A DPST N.O. POWER RELAY</td>
<td>Omron# G7L-2A-TUB-CB. General purpose 12 Vdc 25A DPST-NO (2 Form A) relay. High-capacity high-dielectric-strength - compatible with momentary voltage drops. Non-latching. Coils: Coil current: 158ma.</td>
<td>CAT# RLY-1241</td>
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<tr>
<td>DUAL 12V 20A RELAY</td>
<td>Panasonic (NAIS) ACT512 Ultra-small automotive relay with two separate coils and sets of SPDT contacts. Rated 20 Amps. 17.4 x 14 x 13.5mm. 10 terminals. PC leads.</td>
<td>CAT# RLY-650</td>
</tr>
<tr>
<td>12VDC SPST N.O. 16A RELAY</td>
<td>American Zettler A2948-1AET-12DE 12Vdc, 720 Ohm coil. SPST, normally-open contacts rated 16A 125Vac. 1/10HP 125/250Vac. Miniature, epoxy sealed PBT polyester enclosure, 22 x 16 x 10.5mm high. PC leads. UL.</td>
<td>CAT# RLY-655</td>
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**12 VDC SPDT 40A RELAY, PC MOUNT**

Song Chuan 822U-1C-S 12VDC. 12 vdc 90Ω coil. Contact ratings: N.O. 40 amp 14vdc, N.C. 20A/14 Vdc. Sealed type washable. 26.6mm x 21.4mm x 21.8mm high. PC pins.

CAT# RLY-573 | 85¢ each • 10 for 75¢ each |

**24 VDC SPDT 10 AMP**

Omron# G5LE-14-DC24 High-capacity subminiature "sugar cube" relay with universal footprint. 24Vdc, 1,440Ω coil. SPDT contacts rated 10A. 22.5 x 16.5 x 19.0mm sealed case. PC leads. UL, CSA.

CAT# RLY-579 | 50¢ ea. • 100 for 40¢ ea. |

**24VDC DPDT 25A RELAY**


CAT# RLY-2425 | $7.95 each |

**12VDC 25A 10 AMP**

Omron# G5LE-14-DC24 High-capacity subminiature "sugar cube" relay with universal footprint. 24Vdc, 1,440Ω coil. SPDT contacts rated 10A. 22.5 x 16.5 x 19.0mm sealed case. PC leads. UL, CSA.

CAT# RLY-579 | 50¢ ea. • 100 for 40¢ ea. |

**12 VDC SPST N.O. 16A RELAY**

American Zettler A2948-1AET-12DE 12Vdc, 720 Ohm coil. SPST, normally-open contacts rated 16A 125Vac. 1/10HP 125/250Vac. Miniature, epoxy sealed PBT polyester enclosure, 22 x 16 x 10.5mm high. PC leads. UL.

CAT# RLY-655 | $0.75 each • 25 for 55¢ each |

**12 VDC SPDT 20/10A PC MOUNT RELAY**


CAT# RLY-658 | $2.00 ea. • 10 for $1.75 ea. |

**12 VDC SPDT 40A RELAY, PC MOUNT**

Song Chuan 822U-1C-S 12VDC. 12 vdc 90Ω coil. Contact ratings: N.O. 40 amp 14vdc, N.C. 20A/14 Vdc. Sealed type washable. 26.6mm x 21.4mm x 21.8mm high. PC pins.

CAT# RLY-573 | 85¢ each • 10 for 75¢ each |

**24 VDC SPDT 10 AMP**

Omron# G5LE-14-DC24 High-capacity subminiature "sugar cube" relay with universal footprint. 24Vdc, 1,440Ω coil. SPDT contacts rated 10A. 22.5 x 16.5 x 19.0mm sealed case. PC leads. UL, CSA.

CAT# RLY-579 | 50¢ ea. • 100 for 40¢ ea. |

**24VDC DPDT 25A RELAY**


CAT# RLY-2425 | $7.95 each |

**12VDC 25A 10 AMP**

Omron# G5LE-14-DC24 High-capacity subminiature "sugar cube" relay with universal footprint. 24Vdc, 1,440Ω coil. SPDT contacts rated 10A. 22.5 x 16.5 x 19.0mm sealed case. PC leads. UL, CSA.

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**12 VDC SPST N.O. 16A RELAY**

American Zettler A2948-1AET-12DE 12Vdc, 720 Ohm coil. SPST, normally-open contacts rated 16A 125Vac. 1/10HP 125/250Vac. Miniature, epoxy sealed PBT polyester enclosure, 22 x 16 x 10.5mm high. PC leads. UL.

CAT# RLY-655 | $0.75 each • 25 for 55¢ each |

**12 VDC SPDT 20/10A PC MOUNT RELAY**


CAT# RLY-658 | $2.00 ea. • 10 for $1.75 ea. |
**DC LAB POWER SUPPLIES**

0-30VDC – 5 A MAX
- Input voltage: 110 VAC 60 Hz
- Output: 0-30 VDC adjustable max.
- Output current: 0-5 A adjustable max.
- Ripple: 200 mVp-p
- 3.35 x 6.3 x 9.06 in
- Weight: 3.6 lbs

**CAT# PS-3005** $119.50 each

0-30 VDC – 10 A MAX
- Input voltage: 110 VAC 60 Hz 2.4 A 420W
- Output voltage: 0-30 VDC adjustable max.
- Output current: 0-10 A adjustable max.
- Ripple: ≤<100mVp-p
- 3.35 x 6.3 x 9.06 in
- Weight: 3.7 lbs

**CAT# PS-3010** $165.00 each

**FERRITES**

**FERRITE SPLIT BEAD WITH SNAP SLEEVE**

Used to suppress RFI, EMI and unwanted spurious signals. Self-locking plastic snap sleeve. 7mm (0.27") I.D. snap-bead. 32.5 x 19.0 x 19.5mm case.

**CAT# FB-103** 40¢ each
10 for 35¢ each • 540 for 25¢ each

**TOROIDS**

12.5MM O.D. X 7.5MM I.D. X 5.0MM
Epco B64290L R12.5x7.5 N49.
**CAT# TOR-76** 4 for $1.00

19.5MM O.D. X 13MM I.D. X 7MM
Magnetic Metals 64 D 4602 B42
**CAT# TOR-64** 5 for $1.00

12.5MM OD x 5MM ID x 25.5MM
Fair-Rite # 2643480009.
43 ferrite shield bead for EMI suppression. Epoxy coated.
**CAT# FB-109** 2 for $1.00

9.5MM O.D. X 6MM I.D. X 14.5MM
Fair Rite # 2643054201.
43 shield bead for 20-300MHz. RoHs.
**CAT# FB-94** 2 for $1.00
100 for 45¢ each • 300 for 35¢ each

22MM O.D. X 14MM I.D. X 6.6MM
**CAT# TOR-61** 45¢ each

25MM O.D. X 12.5MM I.D. X 12.5MM
**CAT# TOR-77** 2 for $1.00

29MM O.D. X 19MM I.D. X 7.5MM
**CAT# TOR-75** 40¢ each

**INDUCTORS**

0.676 µH ADJUSTABLE CHOKE
0.375" x 0.375" x 0.75" high coil with adjustable ferrite. PC leads on 0.38" (10mm) centers.
**CAT# RC-676** 3 for 99¢ • 100 for $25.00

10 µH INDUCTOR
Gowanda #GA30-102K
10µH 3.2A axial choke. 0.4" dia. x 0.8" long.
**CAT# CC-102K** $1.15 each
10 for $1.05 each • 100 for 90¢ each

100 µH AXIAL CHOKE
RFE International
# LGA-X1123-101K. 0.43" dia. x 0.79" long.
**CAT# ACB-101** $1.00 ea. • 100 for 70¢ ea.

100 µH 4.3A PC MOUNT INDUCTOR
CTX100-2-52M on battery charger board with other useful parts. Requires desoldering.
**CAT# EX-57**
$1.50 each • 10 for $1.20 each

345 µH TOROIDAL INDUCTOR
0.6" diameter x 0.415" high.
Two pc leads on 0.38" centers.
345 µH, Max. DCR: 0.2.
Large quantity available.
**CAT# CR-345** 3 for 99¢ • 240 for 20¢ each
480 for 15¢ each • 1680 for 10¢ each

**CIGARETTE LIGHTER CORDS**

**CIGARETTE LIGHTER “Y”**
1 plug to 2 sockets. 6" cord.
**CAT# CLP-Y** $3.25 each
10 for $ 3.00 each

**CIGARETTE LIGHTER POWER CORDS**

**4.5’ GOOD QUALITY, UL RATED, SHIELDED CABLE. REPLACEABLE FUSE. TERMINATED WITH RIGHT-ANGLE 1.3MM COAX POWER PLUG (1.3MM ID X 2.3MM OD X 10MM), CENTER POSITIVE. OUTPUT RATED 12VDC, 3 AMPS.**
**CAT# CLP-302** $3.00 ea. • 10 for $2.70 ea.

**12’ 2-CONDUCTOR AWG 20 ZIP CORD.**
**CAT# CLP-99** $3.00 each

**CIGARETTE LIGHTER SOCKETS**

In-line, cable-mount 12V cigarette lighter/ power socket. Strain relief is 0.275” and accepts up to 16 gauge zip cord.
**CAT# CLS-7** $1.95 each
Heavy-duty all metal jack mounts in 7/8” diameter hole in panel up to 0.20” thick. 1/4” solder/qc terminals. Extends 2 1/2” below mounting hole. 10 Amp maximum.
**CAT# CLS-8** $4.35 each