APPLIANCE RELAYS

AZ9405
- Contact rating of 10A; SPST, SPDT
- Class F insulation available
- 3-48VDC coils with sensitive version to 24V
- UL approvals for 100K cycles at 85°C
- 4kV dielectric

Competitor parts
- TE - PCH / T77
- Omron - G5Q/G5SB
- Song Chuan - 892/892H
- Panasonic - JQ/PQ

AZ943
- Contact rating of 15A; SPST, SPDT
- Class F insulation available
- 5-48VDC coils
- UL approvals for 100K cycles
- 6kV dielectric version available

Competitor parts
- TE - T7C/ORWH/PCE
- Panasonic - JS/JSIM
- Omron - G5LA/G5LE
- Song Chuan - 899/307

AZ921
- Contact rating of 5A; SPST-NO
- Single inline package
- 5-24VDC coils, Class F insulation available
- UL approvals for 100K cycles
- Bifurcated contact option
- Multiple footprints

Competitor parts
- TE - PCN
- Panasonic - PA
- Fujitsu - NY

AZ7709
- Contact ratings of 3, 5, 8, 10A; SPST-NO
- Class F insulation available
- 3-48VDC coils with sensitive version to 24V
- UL approvals for 100K cycles at 85°C
- 4kV dielectric; 10kV surge

Competitor parts
- TE - T77/OJE
- Fujitsu - JV
- Song Chuan - 835

AZ776 / AZ742 / AZ743
- SPST, SPDT 20A; DPST, DPDT - 10A
- 5-110VDC, 24-230VAC coils
- UL approvals for 100K cycles, 105°C
- Class F insulation available
- 5kV dielectric; 10mm isolation spacing

Competitor parts
- TE - RTO/RT
- Omron - G2RL/GSRL
- Song Chuan - 507/888H

AZ745
- SPST with a contact rating of 10A
- Class F insulated wire standard
- 3-24VDC coils
- UL approvals for 100K cycles at 90°C
- 4kV dielectric

Competitor parts
- TE - PCJ
- Omron - G5NB/G5T
- Song Chuan - 202/202HT
- Panasonic - LD
- Fujitsu - FTR-F3
Appliance Relays

AZ2150 / AZ21501 - Heavy Duty PCB
- Contact ratings up to 40A; SPST, SPDT
- Class F insulation available
- 5-120VDC, 12-240VAC coils
- Meets UL508 and UL873
- 4kV dielectric available

Competitor parts
- TE - T90/T9A
- Omron - G8PT
- Song Chuan - 832A
- Sanyou - SLA

AZ7695 - High Inrush, QCT Option
- Contact rating of 25A (80A inrush); SPST
- Class F insulation available; 5-48VDC coils
- PCB or PCB w/QCT
- 5kV dielectric; 10kV surge

Competitor parts
- TE - PCF
- Omron - G4A
- Song Chuan - 821

AZ7555 - High Capacity All-Purpose
- Contact rating of 20A; SPST, SPDT
- Class F insulation available
- 3-48VDC coils with sensitive version (120mW)
- UL approvals for 100K cycles at 85°C
- 5kV dielectric; 10kV surge

Competitor parts
- TE - OZ, OMIH
- Omron - G2R
- Panasonic - JW/JR1AF
- Song Chuan - 793

AZ2100 - Power PCB w/QCT
- Contact rating of 40A; SPST, SPDT
- Class F insulation available
- 5-120VDC, 12-240VAC coils
- Meets UL508 and UL873
- 2.5kV dielectric available

Competitor parts
- TE - T9A/T9C
- Omron - G8P
- Song Chuan - 895

AZ2270 - Power Low Profile PCB w/QCT
- Contact rating of 30A; SPST, SPDT
- Class F insulation standard
- 5-120VDC, 12-277VAC coils
- Meets UL508 and UL873
- 4kV dielectric available

Competitor parts
- TE - T9A/T9C
- Omron - G8P
- Song Chuan - 832AWP

AZ2280 - Heavy Duty Panel Mount
- Contact rating of 30A; SPST, SPDT
- Class F insulation standard
- 5-120VDC, 12-277VAC coils
- Coil terminals available 0.1875" or 0.110"
- 2.5kV dielectric

Competitor parts
- TE - T9A/T9C
- Omron - G8P
- Song Chuan - 855AWP
Automotive and Transportation Relays

**AZ9731 / AZ9741 (Mini-ISO)**
- 40A - NO, 30A - NC switching
- SPST, SPDT, SPST-A2, 1 form U
- 6, 12, 24, 36, 48VDC coils
- Coil paralleled resistor or diode
- Multiple bracket types and mounting styles

**Competitor equivalents**
- TE - VF4 (V23134A, B, C, M)
- Panasonic - CB - Omron - G8IN
- Song Chuan - 896

**Socket:** ST9721 series

**AZ977 (Micro-ISO)**
- 35A - NO, 20A - NC switching
- SPST or SPDT
- 12 and 24VDC coils
- Coil paralleled resistor or diode
- Plug in or PCB type

**Competitor equivalents**
- TE - VF4M (V23074)
- Panasonic - CM - Omron - G8HN
- Song Chuan - 871

**Socket:** ST977 series

**AZ979 / AZ980 / AZ983 (High Capacity Mini-ISO)**
- 80A - NO, 60A - NC switching
- SPST, SPDT
- 6, 12, 24VDC coils
- Coil paralleled resistor or diode
- Multiple bracket types and mounting styles

**Competitor equivalents**
- TE - VF7 (V23134J)
- Panasonic - CB-H - Omron - G8JR
- Song Chuan - 897

**Socket:** ST980 series

**AZ986 / AZ9841 (ISO280 terminals)**
- 40A - NO, 30A - NC (AZ986)
- 35A - NO at 35°C, 40A switching (AZ9841)
- SPST or SPDT
- 6, 12, 24VDC coils, sensitive version available
- Coil paralleled resistor or diode

**Competitor equivalents**
- TE - VF28/VJ28 - Omron - G8W/G8V
- Song Chuan - 898/301
## Automotive and Transportation Relays

**AZ9701 / AZ9711 (Power K)**
- 45A - NO, 30A - NC
- SPST, SPDT
- 6, 9, 12, 24V
- US or Euro footprint
- Sealed or open

**Competitor parts**
- TE - VKP (V23076)
- Song Chuan - 822E

**AZ9751 / AZ9761**
- 20A or 2x10A
- 1 form A, B, C, U, V, W
- 6, 12, 24V
- Dust cover or open

**Competitor parts**
- TE - VKM (V23072)
- Song Chuan - 861

**AZ9871 (Micro K)**
- 30A / 25A switching
- SPST, SPDT, 2xSPST, 2xSPDT
- 10, 12, 24V
- Single or twin package

**Competitor parts**
- TE - V23086
- Panasonic - PC1
- Omron - G8PE

**AZ934 / AZ935**
- 25A/20A switching
- SPDT, 2xSPDT
- 12V
- Standard or quiet

**Competitor parts**
- TE - V23084

**AZ9891J**
- 30A switching
- 12V coil
- Standard or sensitive

**Competitor parts**
- Omron - G8N
- Song Chuan - 103
- Sanyou - SARA

**AZ9471**
- 20A (60A surge)
- SPDT
- 6, 9, 10, 12, 18, 24V

**Competitor parts**
- TE - T72M
- Panasonic - JSM/CQ
- Omron - G8QN
- Song Chuan - 895

**AZ9421A**
- 20A
- SPST, SPDT
- 6, 12, 24V

**Competitor parts**
- TE - T72M
- Panasonic - JSM
- Omron - G8SN
- Song Chuan - 833HM/812HM
AZ1641 / AZ1651 / AZ1661 - Ice Cube Relay
- SPDT - 20A; DPDT/3PDT - 10A; 4PDT - 5A
- PCB, Plug-in, Plug in with mounting bracket
- 6-110VDC coils; 6-220V AC coils
- Din Rail and PCB sockets available

Competitor parts
- Idec - RH/RY/RM
- Finder - 55 Series
- Panasonic - HC/HJ/HL
- Omron - LY/MY
- TE/Schrack - KHA/XT/TH
- Song Chuan - SCL (A,B,D)
- Carlo Gavazzi - RPY

AZ420 - Cradle Relay
- Contact ratings to 5A; signal level switching
- 3-115VDC coils with sensitive versions available
- Current and voltage sensitive types
- DPDT, 4PDT, 6PDT contact configurations
- Life expectancy >100MM operations
- PCB or solder/plug-in terminals

Competitor parts
- TE - V23154, R10
- Telemecanique - T154, T163

AZ6991 - Single Inline Package
- Contact rating of 6A
- Thin 5.0mm package, single inline pins
- "Flat" version (horizontal mounting)
- 3-60VDC coils
- 4kV dielectric, isolation spacing >8.0mm
- Din Rail socket available

Competitor parts
- Idec - RV8H
- Finder - 34 Series
- Panasonic - PE
- TE/Schrack - V23092/SNR
- Song Chuan - 882
- Fujitsu - FTR-LY

AZ576 / AZ742 / AZ743 - General Purpose Socketable
- SPST, SPDT 20A; DPST, DPDT - 10A
- 5-110VDC, 24-230VAC coils
- UL approvals for 100K cycles at 105°C
- Class F insulation available
- 5kV dielectric; 10mm isolation spacing
- Din Rail and PCB sockets available

Competitor parts
- Idec - RQ
- Finder - 41 series
- Omron - G2RL/G5RL
- TE - RTD/RTE
- Song Chuan - 507/888H
AZKUP - Plug-in Relay
- Contact rating of 13A; SPDT, DPDT, 3PDT
- Class F insulation standard
- 12-110VDC coils; 12-240VAC coils
- Standard cover or flange mounting

Competitor parts
- Finder - 62/65 Series
- Omron - MJN
- TE - KUP
- Magnecraft - A283
- Midtex - 157
- Song Chuan -731/735

AZ2800 / AZ2850 - Compressor, UL1995 Electric Heater Relay
- Contact rating of 30A; DPST, DPDT
- 6-110VDC coils; 12-277VAC coils
- 4kV dielectric; meets 8.0mm creepage
- Ideal for UL1995 applications
- UL approvals to 100K cycles
- Panel mount or PCB
- Class F insulation standard

Competitor parts
- Finder - 66 Series
- TE - T92
- Carlo Gavazzi - CF
- Magnecraft - W92

ZCPR - Motor Start Potential Relay
- Switching loads of 16A, 35A, and 50A@400VAC
- Class B insulation
- Coil voltages from 168VAC - 588VAC; eight different coil versions
- Six mounting positions including one non-position sensitive
- Mounting: metal tab; panel mount; plastic tab with panel mount

Competitor parts
- Electrica - RVA
- Hartland - HCR-4
- Products Unlimited - Type 38

AZPRD - High Capacity, Open-frame
- Contact rating 30-50A
- SPST, SPDT, DPST, DPDT
- Class F construction
- 6-110VDC coils; 6-480VAC coils
- Blow-out magnet and aux contacts
- Multiple output styles

Competitor parts
- TE - PRD
- Square D - 8501
- Magnecraft - MGN
AZ850 / AZ851 - 3rd Generation Low Profile
- Contact rating of 1A, carry current 2A; DPDT
- Monostable, single, and dual latching coils
- 3-48VDC coils (24VDC max for latching)
- Meets FCC Part 68.302 - 1.5kV lightning surge
- THT or SMT

Competitor parts
- TE - V23106
- Panasonic - TQ2
- Omron - G6H
- NEC - EB2

AZ8462 - 3rd Generation Slim Line
- Contact rating of 2A; DPDT
- Monostable, single, and dual latching coils
- 1.5-48VDC coils (24VDC max for latching)
- Meets FCC Part 68.302 - 1.5kV lightning surge
- Meets Bellcore 2.5kV surge
- THT or SMT

Competitor parts
- TE - V23079 / P2
- Panasonic - TX2
- Omron - G6S
- NEC - EC2/EE2

AZ832 - Polarized, Latching Option
- Contact rating of 2A; DPDT
- Monostable, single, and dual latching coils
- 3-48VDC coils with sensitive versions available
- Meets FCC Part 68.302 - 1.5kV lightning surge
- Meets FCC Part 68.304 - 1.0kV dielectric

Competitor parts
- TE - 23042
- Omron - G6A
- Panasonic - DS2Y/DS2E
- Hasco - HAS212

AZ852 / AZ8521 - 4th Generation Low Profile
- Contact rating of 2A; DPDT
- Monostable and single latching coils
- 1.5-24VDC coils
- Meets FCC Part 68.302 - 1.5kV lightning surge
- Meets Bellcore 2.5kV surge
- THT or SMT

Competitor parts
- Panasonic - AGQ
- TE - IM
- Omron - G6K
- NEC - UC2/UD2

AZ880/888 - Low Profile Latching Relay
- Contact rating of 10A (SPST) and 8A (DPST)
- Narrow package available (8A-SPST, 5A-DPST)
- SPST, DPST (2 form A or 1 form A + 1 form B)
- Monostable, single, and dual latching coils
- 3-24VDC coils; Class F available
- 4kV dielectric

Competitor parts
- Omron - G6B/G6C
- Panasonic - DSP/DK/ADY
- KG Tech - K107/108
### Latching, Lighting, Metering Relays

#### AZ2500 / AZ2501 / AZ2501L - 347V Ballast
- Contact rating of 50A, 60A
- Single or dual latching coils w/override option
- UL ballast load approvals to 347VAC
- UL approvals to 100K cycles
- 5-48VDC coils
- 4kV dielectric

**Competitor parts**
- KG Tech - K109/110
- Picker - PC910

#### AZ2505 - Power Latching, Meets UC3
- Contact ratings of 60A, 80A, 100A, 120A
- Single latching coil; 5-24VDC
- Manganin shunt and sensing wires available
- Outputs: flying leads; copper bus bar; PCB
- Meets UC3 requirements
- 4kV dielectric

**Competitor parts**
- Wanjia - WJ31A
- KG Tech - KG125A

#### AZ762P - All-Purpose Medium Duty Latching
- Contact rating of 20A; SPST, SPDT
- SPST option with Tungsten + AgSnO contact
- Single and dual latching coils; 3-24VDC
- UL ratings to 100K cycles
- 4.4kV dielectric

**Competitor parts**
- TE - RT1
- Omron - G2RK
- KG Tech - K106

#### AZ21501P - Energy Management to 50A
- Contact ratings of 30A, 40A, 50A@277VAC
- Single latching coil; 5-48VDC
- Manual override option
- Meets UL20 requirements

**Competitor parts**
- CIT - LF115F1
- Hasco - HAT901-L

#### AZPRD - Motor and Lighting Control
- Contact rating 30-50A; SPST, SPDT, DPST, DPDT
- Class F construction
- 6-110VDC coils; 6-480VAC coils
- Blow-out magnet and aux contact available
- Multiple output styles

**Competitor parts**
- TE - PRD
- Square D - 8501
- Magnecraft - MGN

#### AZ932 - Photocontrol Relay
- Contact rating of 15A; SPST-NO or NC, SPDT
- Class F insulation available; 3-48VDC coils
- UL approvals for 100K cycles
- TV5 / ballast rated; passes ANSI C136.10
- High inrush design

**Competitor parts**
- TE - T7C/ORWH/PCE
- Panasonic - JS1
- Omron - G5LA/G5LE
- Song Chuan - 899/307
POWER RELAYS

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AZ9321 - High Inrush, Ballast Rated
- Contact rating of 25A; SPST-NO or NC, SPDT
- Class F insulation available
- 3-48VDC coils
- UL approvals for 100K cycles
- High inrush design
- TVS / ballast rated; Photo control applications

Competitor parts
- TE - 77C/ORWH/PCE
- Panasonic - JS1
- Omron - G5LA/G5LE
- Song Chuan - 899/307

AZ7335 - Double Pole, All-Purpose
- Contact rating of 8A; DPDT
- Class F insulation available
- 3-48VDC coils
- 5kV dielectric; 10kV surge

Competitor parts
- Song Chuan - 793
- Omron - G2R-2
- TE - RP, RKA/KS, OMI
- Panasonic - JW2
- Fujitsu - FBR620

AZ7555 - High Capacity, All-Purpose
- Contact rating of 20A; SPST, SPDT
- 3-48VDC coils with sensitive version (120mW)
- UL approvals for 100K cycles at 85°C
- 5kV dielectric; 10kV surge
- Din Rail and PCB sockets available

Competitor parts
- TE - OZ, OMIH
- Omron - G2R
- Panasonic - JW/JR1AF
- Song Chuan - 793

AZ2100 - Power PCB w/QCT
- Contact rating of 40A; SPST, SPDT
- Class F insulation available
- 5-110VDC, 12-240VAC coils
- Meets UL 508 and UL873
- 2.5kV dielectric

Competitor parts
- TE - T9A/T9C
- Omron - G8P
- Song Chuan - 895

AZ2150 - Heavy Duty PCB
- Contact rating of 40A; SPST, SPDT
- Class F insulation available
- 5-110VDC, 12-240VAC coils
- Meets UL508 and UL873
- 4kV dielectric available

Competitor parts
- TE - T90/T9A
- Omron - G8PT
- Song Chuan -832A
- Sanyou - SLA

AZ2280 - Heavy Duty Panel Mount
- Contact rating of 30A; SPST, SPDT
- Class F insulation standard
- 5-110VDC, 12-277VAC coils
- Coil terminals available 0.1875" or 0.110"
- 2.5kV dielectric

Competitor parts
- TE - T9A/T9C
- Omron - G8P
- Song Chuan - 855AWP
# Power Relays

**AZ2700-AZ2705**
- 30A contact; 1 form X, 2 form X (SPST, DPST dual contact)
- Class B insulation standard; Class F available
- 3-200VDC; 6-240VAC coils
- Standard contact gap - 2.4mm; 3.0mm option
- 4kV dielectric available

**Competitor parts**
- Omron - G7L
- Panasonic - HE
- Magnecraft - 725
- Song Chuan - 510

**AZ2800 / AZ2850 - Compressor, UL1995**
- Contact rating of 30A; DPST, DPDT
- 6-110VDC coils; 12-277VAC coils (Class F std)
- UL approvals to 100K cycles
- 4kV dielectric; meets 8.0mm creepage
- Panel mount or PCB

**Competitor parts**
- Finder - 66 Series
- TE - T92
- Carlo Gavazzi - CF
- Magnecraft - W92

**AZ2505**
- Contact ratings of 60A, 80A, 100A, 120A
- Single latching coil; 5-24VDC
- Manganin shunt and sensing wires available
- Outputs: flying leads, copper bus bar, PCB
- Meets UC3 requirements
- 4kV dielectric

**Competitor parts**
- Wanjia - WJ31A
- KG Tech - KG125A

**AZDC - High Voltage DC Switching**
- 10 to 300A; 1 form X (SPST, double-make)
- 750kW max switch power (300A)
- 2500A max switch current (@300VDC)
- 1000VDC max switch voltage
- 12-24VDC coils
- Hermetically sealed

**Competitor parts**
- TE - EV
- Omron - G9E
- Panasonic - EP300A

**AZPRD**
- Contact rating 30-50A; SPST, SPDT, DPST, DPDT
- Class F construction
- 6-110VDC coils; 6-480VAC coils
- Blow-out magnet and aux contact available
- Multiple output styles

**Competitor parts**
- TE - PRD
- Square D - 8501
- Magnecraft - MGN

**XMCO - Definite Purpose Contactor**
- 25-90FLA; 1-4 pole, 1 pole w/shunt
- UL rated 250K cycles; SCCR 100kA@600VAC
- Class F insulation
- 12-600VAC coils (50Hz or 60Hz)
- Meets ARI 780/790

**Competitor parts**
- TE - 3100
- Hartland - HCC
- Furnas - 42/45
- Square D - 8910
- Cutler - C25
SOLAR / EVSE RELAYS

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Solar / EVSE Relays

AZ733W - Wide Gap Double Pole
- Contact rating of 10A; DPST-NO, DPDT
- Class B insulation available
- 3-60VDC coils
- Contact gap options of 1.5mm or 2.0mm
- 5kV dielectric
- PCB and Din Rail socketable

Competitor parts
- Fujitsu - FTR-F4G
- Song Chuan - 894

AZSR126 - Solar Inverter Relay
- Contact rating of 26A; SPST-NO
- Max. switching current of 31A
- 9-24VDC coils
- Contact gap of 1.5mm
- 4.5kV dielectric

Competitor parts
- TE - PCFN
- Fujitsu - FTR-K3WG
- Panasonic - LF-G
- Song Chuan - 110

AZ576 / AZ761 / AZ762
- SPST, SPDT 20A; DPST, DPDT - 10A
- 5-110VDC; 24-230VAC coils
- UL approvals for 100K cycles at 105°C
- 5kV dielectric; 10mm isolation spacing
- Din Rail and PCB sockets available

Competitor parts
- Idec - RQ
- Finder - 41 series
- Omron - G2RL/G5RL
- TE - RTD/RTE
- Song Chuan - 507/888H

AZSR235 / AZSR250 - Solar Inverter Relay
- Contact rating of 35 or 50A; SPST, DPST
- 5-24VDC coils
- Contact gap of 1.75mm
- Reinforced insulation
- 5kV dielectric
- Holding power of <100mW

Competitor parts
- TE - PCFN
- Fujitsu - FTR-K3WG
- Panasonic - LF-G
- Song Chuan - 110

AZ2150W - Wide Gap 30A Relay
- Contact rating of 30A; SPST
- Class F insulation standard
- 5-48VDC coils
- Contact gap of 1.75mm
- 3kV dielectric available

Competitor parts
- Omron - G8P
- Panasonic - JT-G

AZ2800 / AZ2850 - Level 1 / Level 2 charging
- Contact rating of 30A; DPST, DPDT
- 6-110VDC coils; 12-277VAC coils (Class F std)
- UL approvals to 100K cycles
- 4kV dielectric; meets 8.0mm creepage
- Panel mount or PCB

Competitor parts
- Finder - 66 Series
- TE - T92
- Carlo Gavazzi - CF
- Magnecraft - W92
AZ2700-2705
- 30A contact; 1 form X, 2 form X (SPST, DPST dual contact)
- Class B insulation standard; Class F available
- 3-200VDC; 6-240VAC coils
- Standard contact gap of 2.4mm; 3.0mm option
- 4kV dielectric available

Competitor parts
- Omron - G7L-PV
- Panasonic - HE
- Magnecraft - 725
- Song Chuan - 510

XMC0 - Definite Purpose Contactor
- 25-90FLA; 1-4 pole, 1 pole w/shunt
- Class F insulation
- 12-600VAC coils (50Hz or 60Hz)
- UL rated 250K cycles; SCCR 100kA@600VAC
- Meets ARI 780/790

Competitor parts
- TE - 3100
- Hartland - HCC
- Furnas - 42/45
- Square D - 8910

AZPRD
- Contact rating 30-50A; SPST, SPDT, DPST, DPDT
- Class F construction
- 6-110VDC coils; 6-480VAC coils
- Blow-out magnet and aux contact available
- Multiple output styles

Competitor parts
- TE - PRD
- Square D - 8501
- Magnecraft - MGN

AZDC - High Voltage DC Switching
- 10 to 300A; 1 form X (SPST, double-make)
- 750kW max switch power (300A)
- 2500A max switch current (@300VDC)
- 1000VDC max switch voltage
- 12-24VDC coils
- Hermetically sealed

Competitor parts
- TE - EV
- Omron - G9E
- Panasonic - EP300A
# Transformers

## AH/ADH (Horizontal Split Bobbin)
- UL 5085 Class 1; Class B insulation
- Single (AH) or dual (ADH) primaries
- 115/230V@50/60Hz
- Series or parallel output
- 2500Vrms dielectric
- VA ratings: 1.1; 2.4; 6; 12; 20

### Applications
- Small appliances; controls
- Meters
- Smoke detectors

### Competitor parts
- Signal - ST / DST
- MCI - 4-01 / 4-02
- Pulse - ST
- Premier - PSB

## AHI (Standard PCB Power Transformer)
- UL 5085 Class 2, 3
- Class B insulation system
- Constructed to meet VDE
- 115/230V@50/60Hz
- Dual, non-concentric bobbins
- 4200Vrms dielectric
- VA ratings: 2.5; 5; 10

### Applications
- Spa controls
- Food service equipment
- Appliance controls

### Competitor parts
- Signal - CL2 and 14A
- MCI - 4-44
- Tamura - PL
- Premier - DVD

## AHF (Low Profile Power Transformer)
- UL 5085 Class 1
- 115/230V@50/60Hz
- Series or parallel output
- 1500Vrms dielectric
- VA ratings: 2.4; 6; 12

### Applications
- Water treatment
- Video / security equipment
- Solar energy
- Surge suppressors

### Competitor parts
- Signal - LP
- MCI - 4-05
- Tamura - 3FL
- Premier - SPW

## ACST (Current Sense Transformer)
- Class B insulation system
- 1 to 30A sensing range to 200Hz
- Typical output of 110mV per Ampere
- 3000Vrms dielectric

### Applications
- Power meters
- Temperature controls
- Lighting controls
- Motor controls

### Competitor parts
- Triad - CST

## Design Specifications

### AH/ADH
- Dimensions: 4.06 x 2.17 x 1.77 in
- Weight: 0.35 lb

### AHI
- Dimensions: 4.1 x 2.1 x 1.75 in
- Weight: 0.38 lb

### AHF
- Dimensions: 4.2 x 2.2 x 1.8 in
- Weight: 0.4 lb

### ACST
- Dimensions: 5.0 x 2.5 x 3.0 in
- Weight: 0.5 lb
AHR / AHRV (Chassis Mounted Transformer)

- UL 508S Class 2
- Class B insulation system
- Input range from 120-575VAC
- Multiple mounting, wiring, and termination options
- VA ratings: 20 - 100

Applications
- HVAC
- Lighting
- Food equipment
- Motors and pumps
- Irrigation systems
- Tankless water heater

Competitor parts
- TE - 4000
- Hartland - HCT

Toroidal Transformers

- Class B insulation system
- Single or dual primaries
- Primary voltages from 100-240VAC (50 or 60Hz)
- Multi-tap secondaries
- Secondary voltages from 12-80VAC (50 or 60Hz)
- 3000Vrms dielectric
- VA ratings: 80 to 600

Applications
- Lighting
- Massage chairs
- Pumps
- Audio equipment
- Welders

Chokes and inductors

Custom requirements welcome!
BP and ZP (Encapsulated Switch Mode Power Modules)

- ZP series 3W single output
- ZP series 10W dual output
- BP series

Competitively Priced “Plug and Play” Solution for Your PCB Power Requirements

Zettler’s BP & ZP series miniature AC-DC encapsulated power modules provide a competitively priced “plug and play” solution for your PCB power requirements.

- Wireless applications
- Lighting/energy management controls
- Building automation controls

- Power outputs: 1W, 3W, 5W, & 10W
- Input voltage ranges from 90-480VAC, 50/60Hz
- Regulated 3.3V-24VDC, single and dual output options
- Output over-voltage, over-power, and short circuit protection
- Dielectric strength of 3600VAC
- Integrated EMC network
- Low ripple and noise
- UL, TUV, CE on most parts
- Customizable parameters
Transformers

**BV (Encapsulated Power Transformer)**
- UL 5085 Class 1
- UL 5085 Class 2; VDE
- Vacuum sealed
- Single / dual secondaries
- 4200Vrms dielectric
- VA ratings: 0.35 - 60

**Competitor parts**
- Pulse - BV
- Spitznagel - SPK
- Signal - IF
- Thai Lin - TL30

**Applications**
- Small motors
- White goods
- Power meters
- Solar inverters
- Food service equipment

**Power Ferrite Switching Transformers**
- Wide input voltages from 85 - 265VAC
- Power ranges from 1.5 - 180W
- Primary / secondary insulation > 4kV
- Primary / auxiliary insulation > 1.5kV
- Creepage distance primary / secondary > 6mm
- Construction conforms with IEC950, IEC335, IEC61558
- Uses UL94v0 listed materials

**Applications**
- High frequency power supplies
- Ballasts
- TVs/monitors

**Highly customizable**

**Rapid prototyping**

**Automated insulation insertion**