Save time shopping around, go online today.

Do business online with RS and make it faster and easier to find exactly what you need with all this information available at the click of a button.

My Account
All your orders, parts lists and details in one place.

Stock Availability
Not only does our website tell you if the product you require is in or out of stock in the UK, it also tells you if the quantity you require is available.

Access to over 200,000 products
The full range of products are online and searchable at a click of a button.

Over 90,000 technical documents
We hold over 90,000 technical documents and datasheets online, saving you valuable time. You can choose to print them off, save them to a PC for quick reference or even email them to a colleague.

Leading Search
Let our online search help. Simply enter a description, stock number, manufacturer's part number or name and we'll return matching products in an instant. Refine your results by category, manufacturer or RoHS compliance and we'll find what you need quickly.

Parts List
This is a useful tool if you regularly order the same products. You can build your own lists, adding or deleting products as required, allowing for easy reordering.

13 month Order History
By placing your orders online, you can benefit from being able to search through your entire online order history for the past 13 months.

Visit www.rs-components.com to find the right product for you.

Terms and Conditions: Customers shall deal direct with RS Components Limited's appointed distributor in the relevant territory. The distributor will be solely responsible for the resale of products and services in this catalogue and the customer should therefore contact the distributor directly if there are any issues in relation to such products or services.

All offers are available while stocks last. RS is a trademark of RS Components Limited. An Electrocomponents Company.
Welcome to Focus On Electronics

Trusted by over 1.6 million engineers worldwide, RS is committed to helping you find what you need fast.

Leading brands
We offer the widest range of products from a single source.

Assured delivery
You can be sure of immediate despatch, so you can get on with running your business.

Free technical support
From product identification through to queries on product applications, our technical support is only a phone call away.

Visit our website at www.rs-components.com to find a distributor near you.

We Are The Market Leader In...

Discrete Semiconductors
Number 1 worldwide in low-voltage power MOSFETs
Number 1 worldwide in rectifiers
Number 1 worldwide in glass diodes
Number 1 worldwide in infrared components
...and others

Passive Components
Number 1 worldwide in wirewound and other power resistors
Number 1 worldwide in foil, SMD thin film, and leaded film resistors
Number 1 worldwide in wet tantalum capacitors
Number 1 worldwide in strain gage sensors and load cells
...and others

Visit www.vishay.com

One of the World’s Largest Manufacturers
of Discrete Semiconductors and Passive Components

CONTENTS

5-7 POWER SUPPLIES
8-9 BULGIN
10-11 POWER FACTOR CORRECTION
12-13 PASSIVES
14-15 SEMICONDUCTORS
16-17 PRODUCTION PACKAGING
20-21 TYCO ELECTRONICS

Log onto our website and find over 200,000 products and lots more helpful information.

Stock availability
Check online if the product and quantity you require is in stock

Allied Electronics range
Extra 50,000 products available online from our sister company Allied in the USA

Info zone and online tools available
- Online technical help
- Unit converters
- Energy saving calculator
- IP ratings

Visit www.rs-components.com today
RS POWER SUPPLIES

### Stock No | Power (W) | Output Voltage (Vdc) | Output Current (A) |
--- | --- | --- | --- |
644-473 | Single phase 45w 2A | | |
644-495 | Single phase 75w 3.2A | | |
644-502 | Single phase 120w 10A | | |
644-508 | Single phase 240w 10A | | |
628-601 | 3-phase 200w 15A | | |
628-574 | Single phase 400w 20A | | |
628-540 | 3-phase 400w 20A | | |
628-530 | 3-phase 900w 40A | | |

### 25W TO 150W, AC/DC SM POWER SUPPLIES ENCLOSED CASE
- Miniature size, high power density
- High operating temperature up to 70°C
- Adjustable output voltage (±10% for single outputs, ±5% to +10% for duals on output 1)
- Adjustable output voltage (10.8 to 13.2V for 12V, 22 to 27.6V for 24V)
- EMC meets EN 55022 Class B
- Short circuit, overload and overvoltage protection
- UL recognized, TUV, CB Approvals, EN60950, UL60950 Standards
- Input voltage 88-264 vac

### AC/DC EXTERNAL POWER SUPPLIES DESKTOP MAIN ADAPTORS
- 2.1 x 5.5 x 11mm output connector, centre contact positive
- Short circuit, overload, and overvoltage protection
- Approvals: UL recognized, TUV, CB
- Standards: EN 60950-1, UL 60950-1, CSA C22.2
- Input voltage 90-264 vac

### 24VDC OUTPUT POWER SUPPLIES
High quality, DIN rail mounting switch mode power supplies, UL approved.
- UL508 (industrial control equipment) approval
- Universal input
- Fixed switching frequency 100kHz
- Free air convection cooling
- ±10% full load burn-in test
- Short circuit, overload, over voltage and over temperature protection

---

Sending the right signal
ISO-TECH’s quality range of Test & Measurement products
How can you lower your standby power?

With the rapid penetration of new and digital technology, the growth of standby power has accelerated.

The actual power draw in standby mode is small, typically 0.5-30W. However, when all the electronic appliances in homes and offices across the globe are aggregated, estimates of standby power consumption range between 5% and 10% of total electricity consumption.

With ongoing press coverage of the costs, both economic and environmental, of this “leakage electricity”, consumers are becoming more cautious when purchasing electrical equipment.

In addition, the EU Eco-design regulation will come into force by the end of 2008, forcing manufacturers to cut the power used by electrical equipment, when on standby, to a maximum of 1W to 2W by 2010. From 2013, the level will be lowered again to 0.5 or 1W.

Reduce your standby power consumption at www.rs-components.com

IMPROVING NO-LOAD POWER CONSUMPTION

EcoSmart® technology dramatically improves efficiency and reduces standby power. By yielding no-load consumption of 140mW and 75% active-mode efficiency, EcoSmart® products meet all existing and proposed harmonized energy efficiency standards including: CECP (China), CEC, EPA, AGO, and European Commission. Power Integration products with EcoSmart® technology include LinkSwitch-II, LinkSwitch-XT, LinkSwitch-LP, LinkSwitch-TN, TinySwitchIII, PeakSwitch, TOPSwitch-GX.

TI NYSWITCH-III ENERGY EFFICIENT OFFLINE SWITCHER

Combines high voltage power MOSFET switch with a power supply controller in one device, uses a simple ON/OFF control to regulate the output voltage.

- No-load <150 mW at 285 VAC without bias winding, <50 mW with bias winding
- Frequency jittering reduces EMI filter costs
- PDK-01 development kit contains samples of all TinySwitch-III parts, 12W PSU reference design, extra unpopulated PCB, software and documentation

80-90W DESKTOP ADAPTORS SINGLE OUTPUT

Ultra-miniature & lightweight
- High efficiency, up to 91%
- Low Standby Power, less than 0.5Watts
- Power factor correction to EN 61000-3-2
- EMC compliance to EN 55022 Class B, FCC Part 15 Class B
- Short circuit and over-load protection
- Teco air convection rating 100W, forced cooled rating 120W with 20CFM of forced air
- Output voltage 24Vdc
- Output current 4.16A

SMA LLEST 100W AC/DC POWER SUPPLY

Ultra-miniature, very high efficiency, up to 92%
- High efficiency, up to 91%
- Low Standby Power, less than 0.5Watts
- Power factor correction to EN 61000-3-2
- EMC compliance to EN 55022 Class B, FCC Part 15 Class B
- Short circuit and over-load protection

The EOS promise: Big Power. Small Package. If design space and thermal management are critical in your product then EOS brand AC/DC power supplies from Red Rocket, Inc. are for you.

Over 10 watts per cubic inch. Over 88% efficient. Top product designers’ use EOS open-frame and external adapters to power the world’s leading OEM branded applications in medical instruments, data networking gear, industrial products and multimedia systems. Over 30 million power supplies in operation today. What will you design with all the space you save?

100W CONVERSION UNIVERSAL POWER SUPPLY

Miniature size 2x4 inch, high power density
- High efficiency, up to 91%
- Low Standby Power, less than 0.5 Watts
- Power factor correction to EN 61000-3-2
- EMC compliance to EN 55022 Class B, FCC Part 15 Class B
- Short circuit and over-load protection
- Teco air convection rating 100W, forced cooled rating 120W with 20CFM of forced air
- Output voltage 24Vdc
- Output current 4.16A

377-6930

SMALLEST 100W CONVERSION UNIVERSAL POWER SUPPLY

Miniature size 2x4 inch, high power density
- High efficiency, up to 91%
- Low Standby Power, less than 0.5 Watts
- Power factor correction to EN 61000-3-2
- Class II, double insulated
- 1 metre output lead
- Output voltage 24Vdc
- Output current 3.75A

377-6908
**Fuseholders Bugin**

### FUSEHOLDERS BULGIN

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Fuse size</th>
</tr>
</thead>
<tbody>
<tr>
<td>413-771</td>
<td>6.3 x 25/32mm 10A PANEL MOUNT</td>
<td>6.3x33mm</td>
</tr>
<tr>
<td>414-099</td>
<td>6.3x32mm FX0416/S D</td>
<td>6.3A, 250V</td>
</tr>
<tr>
<td>414-601</td>
<td>6.3x32mm FX0417/1 D</td>
<td>6.3A, 250V</td>
</tr>
<tr>
<td>417-098</td>
<td>6.3x32mm FX0418/S D</td>
<td>6.3A, 250V</td>
</tr>
<tr>
<td>420-050</td>
<td>6.3x20mm FX0454/S D</td>
<td>6.3A, 250V</td>
</tr>
<tr>
<td>420-051</td>
<td>6.3x20mm FX0455/S D</td>
<td>6.3A, 250V</td>
</tr>
</tbody>
</table>

**BASE MOUNT**

- Touchproof category PC1
- Suitable for PCB mounting
- 6.3A, 250V

**IN-LINE 10A 50V PC1**

- 250V/movable
- Screw terminal
- Connector foot 12mm

**INTERFACE CONNECTOR ADAPTER**

The Interface Connector Adapter provides convenient screw terminals for connection to serial data lines and power supply, and also an industry standard RS232 9-D connector. DIP switches allow selection of RS232/RS485 and Half/Full duplex modes, and alteration of DTE or DCE compatibility.

- Use with Bluetooth cable replacement adapter
- Incorporates 9-way Buccaneer connector

**Cable replacement adapters**

Bulgin’s cable replacement products allow equipment with RS485 or RS232 data ports to communicate using Bluetooth wireless technology.

- IP68-rated, dust and waterproof to EN60529
- RS485 & RS232 Serial data connection
- Wireless transparent data connection
- Self connectors for true cable replacement
- Supply 6 to 24V dc
- Bluetooth V2.1 Class 1 and 2 units
- Built-in sealed antenna
- Up to 100m range (Class 1)
- Compatible panel mounted connectors available

**BLUETOOTH RS485/RS232 ADAPTER**

- IP68-rated, dust and waterproof to EN60529
- RS485 & RS232 Serial data connection
- Wireless transparent data connection
- Self connectors for true cable replacement
- Supply 6 to 24V dc
- Bluetooth V2.1 Class 1 and 2 units
- Built-in sealed antenna
- Up to 100m range (Class 1)
- Compatible panel mounted connectors available

**WATERPROOF SEALED ANTENNA**

Bulgin’s IP68-rated Waterproof Antenna series are robust and completely sealed, providing complete protection from harsh environments.

- Dust & waterproof to IP68 EN60529 when mated
- Secure screw thread locking
- Single hole fixing
- Three frequency bands
- Compatible panel mounted connectors are available with preattached RG-174 cable for fast assembly and termination

**Typical applications include:**

- Wireless metering and telemetry
- Temporary and permanent installations
- Environmental monitoring
- Energy management
- Factory monitoring
- Plant and machinery
- Transport/traffic systems
- Vehicle communications – tractor to trailer
What is Power Factor Correction (PFC)?

PFC is defined as PF = \( \frac{\text{Real Power}}{\text{Apparent Power}} \)

Power factor correction manipulates the input current of power supplies to optimise the real power available from the mains. Ideally, an electrical device should present a load that emulates a resistor, in which case the reactive power drawn by the device is zero. In this case, the current drawn from the mains is at a minimum for the real power required to perform the work needed. This minimises losses and costs associated not only with the sourcing and distributing of power within your design, but also with the generation of power.

The freedom from harmonics also minimises interference with other devices being powered from the same source. Another reason to employ PFC in power supplies and systems is to comply with regulatory requirements. European countries require power factor correction for power supplies rated over 75W IEC 556) and limit the harmonic distortion a power supply can inject into the mains through IEC/EN61000-3-2.

RS has a complete range to solve your PFC needs

The good news is we have a range which simplifies your design challenges for improving PFC. From ICs that include the Texas Instruments UCC28060D, a PFC controller for 75-800W applications ensuring zero switching losses, simplifies power system design, and saves PCB space, to more complete solutions such as desktop adaptors and open frame SMPS systems which have in-built PFC compliant to EN-61000-3-2.

How is reactive power generated?

Every electric load that works with magnetic fields (motors, chokes, transformers, inductive heating, arc welding generators, etc) produces a varying degree of electrical lag, which is called inductance. This lag of inductive loads maintains the current sense (e.g. positive) for a time even though the negative-going voltage tries to reverse it. This phase shift between current and voltage having opposite signs. During this time, negative power or energy is produced and fed back into the network. When current and voltage have the same sign again, the same amount of energy is again needed to build up the magnetic fields in inductive loads. This magnetic reversal energy is called reactive power.

In AC networks (50 / 60 Hz), such a process is repeated 50 or 60 times a second. An obvious solution is to briefly store the magnetic reversal energy in capacitors and relieve the network (supply line) of this reactive energy. For this reason, automatic compensation (each reactive power producer is individually compensated) or mixed compensation (each reactive power producer is grouped together) is installed for larger loads like industrial machinery. Such systems consist of a group of capacitor units that can be cut in and cut out and which are driven and switched by a power factor controller.

TEA1750 GREENCHIP III SMPS CONTROL IC

The TEA1750 combines a controller for Power Factor Correction and a flyback controller, reducing no-load standby power consumption to 200-300mW - far below Energy regulations.

• Reduced number and cost of external components
• A wide Vcc range, eliminating the need for an external voltage regulator
• Designed specifically for notebook adaptors and LCD TVs
• Sold in packs of 5

UCC28060D PFC CONTROLLER

Power Factor Correction chip saves energy in consumer applications, such as personal computers and digital TVs.

• For 75 to 800 Watt applications
• Minimizes switching losses, simplifies power system design and saves PCB space
• Low startup current: 0.2 mA
• PinPackage: 16SOIC
• Improved Light-Load Efficiency
• Sold in packs of 5

Achieving improvements

Power factor improvement can be achieved in 3 main ways:

• Compensation of reactive power with capacitors
• With active compensation - using semiconductors
• Using overexcited synchronous machines (motor / generator)

Types of PFC

Types of PFC to consider (detuned or conventional), are - individual or fixed compensation (each reactive power producer is individually compensated), - group compensation (reactive power producers connected as a group and compensated as a whole), - central or automatic compensation (by a PFC system at a central point) and mixed compensation.
**Metal Composite Technology Power Choke Coils**


- 150°C Temperature Rating
- Up to 300G vibration
- Non-Temperature Impact on DC Bias Characteristic
- Heat Shock (-4°C to 150°C) 2000 cycles
- Minimal power loss at high frequency (>100kHz)
- Moisture resistant overcoat
- Heat Shock H/C 2000 cycles (-40°C to 150°C)
- Non Temperature Impact on DC Bias Characteristic
- Up to 30G vibration
- Low T.C.R.
- Moisture resistant structure
- High stability in life time
- High Resistance to Heat (155°C; 1000h; ΔR:±0.1%)

**Power Choke Coils**

<table>
<thead>
<tr>
<th>Stock no.</th>
<th>Description</th>
<th>Manufacturer part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>570-281</td>
<td>2.2µH, 10A</td>
<td>ETQP6F2R5BFA</td>
</tr>
<tr>
<td>570-304</td>
<td>3.3µH, 10A</td>
<td>ETQP6F3R2HFA</td>
</tr>
<tr>
<td>570-316</td>
<td>4.6µH, 3A</td>
<td>ETQP6F4R6HFA</td>
</tr>
<tr>
<td>570-310</td>
<td>6.4µH, 3A</td>
<td>ETQP6F6R4HFA</td>
</tr>
<tr>
<td>570-293</td>
<td>8.2µH, 3A</td>
<td>ETQP6F8R2HFA</td>
</tr>
<tr>
<td>570-271</td>
<td>2.2µH, 10A</td>
<td>ETQP6F2R5BFA</td>
</tr>
<tr>
<td>570-106</td>
<td>0.5µH, 100A</td>
<td>ETQP6F05HFA</td>
</tr>
<tr>
<td>570-901</td>
<td>1.0µH, 100A</td>
<td>ETQP6F100HFA</td>
</tr>
<tr>
<td>570-801</td>
<td>2.2µH, 100A</td>
<td>ETQP6F2R5BFA</td>
</tr>
</tbody>
</table>

**Thin Film Resistors – High Reliability Series**

- High reliability at high Temperature & Humidity (85°C/85% RH, 1000h; Rs±0.1%)
- Moisture resistant overcoat
- Low T.C.R.
- High Resistance to Heat (105°C, 1000h; Rs±0.1%)
- AEC-Q200
- High stability in life time
- Moisture resistant structure

**RCC Series Carbon Composition Resistors**

- Impressed pulse endurance characteristics compared to carbon-film devices
- Wide resistance range is available, 2.2Ω – 4.7MΩ
- Stability Class: ±10%
- Please refer to the catalogue for full resistance availability for this range

**MR2027 Series Resistors**

Precision thin film resistors manufactured to closest parameters using highest specification materials, coated with both phenolic and epoxy resins to achieve best encapsulation.

**Technical Specifications**

- Power rating at 70°C 0.25W
- Resistance Range 5Ω to 1MΩ
- Resistance Tolerance ±1%
- Temperature Coefficient ±15ppm/°C
- Limiting Element Voltage Nominal 250V
- Dielectric Strength 500V
- Ambient Temperature Range: -55°C to +125°C

**ARCOL Resistors**

With over 50 years of manufacturing experience, ARCOL are one of the resistor market’s leading brands. Over the many years of trading together, the RS international catalogue offer now exceeds 650 products, with hundreds more being available on the website. Below is just a representative selection of the products available.

**50W HS50 Aluminium Housed Resistors**

Aluminium housed power wire wound resistors designed for direct heat sink attachment and ideal for restricted space applications. The tape or wire element is wound onto a high thermal conductivity ceramic former and then transferred into a hard anodised aluminium housing with a high temperature encapsulant ensuring good humidity sealing and thermal conductivity together with an extremely high insulation resistance. Ranging from 15W to 600W, these wire wound resistors come in a wide range of resistance values. Please refer to the catalogue from page 679 or the website for full ranges and specifications.

**Technical Specifications**

- Very low ohmic value matched by low tolerance
- Inductance less than 10nH
- Inherently flameproof
- Low TCR: ±20ppm/°C

**MSR-1, MSR-3 and MSR-5 Series**

Bare element resistors developed for current sensing and shunt applications with values from RS050 to ±1% tolerance, resistance stab is excellent to 20 ppm.

**Technical Specifications**

- Power rating at 70°C 0.25W
- Resistance Range 5Ω to 1MΩ
- Resistance Tolerance ±1%
- Temperature Coefficient ±15ppm/°C
- Limiting Element Voltage Nominal 250V
- Dielectric Strength 500V
- Ambient Temperature Range: -55°C to +125°C
Whatever your application, wherever you are,

TI is close to you

TI has one of the broadest ranges of semiconductor products in the industry and years of experience developing analog and digital ICs across the board for a wide range of applications such as industrial, video surveillance, digital imaging, metering, home automation and many more. With tailored, high performance solutions and in-depth knowledge of complete systems, we can assist you in the overall design process, whatever you’re designing.

For our full range of semiconductors please refer to our website.

<table>
<thead>
<tr>
<th>Amplifiers</th>
<th>Discrete</th>
<th>Drivers and Interfaces</th>
<th>Frequency Controls</th>
<th>Logic</th>
<th>Memory</th>
<th>Microprocessorings</th>
<th>Optoelectronics and Displays</th>
<th>Power Supplies and Control Components</th>
<th>RF and Video Function</th>
<th>Signal Conversion</th>
<th>Signal routing and conditioning</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANALOG DEVICES</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVAGO</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DALLAS</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAIRCHILD</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FEMTO</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTEL</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INSIGNIA</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JAZZ</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MITSUBISHI</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NXP</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSRAM</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEMIKRON</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TEXAS INSTRUMENTS</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOSHIBA</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unisys</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

www.rs-components.com
RS production packaging provides the freedom of choice to order no more than you actually require. Even the smallest quantities are packed in tubes, trays and continuous strips for use in automated production equipment. Below are just some of our Semiconductors that are available as production packaging. Please go on to our website for more available products.

**LOW DROP-OUT VOLTAGE REGULATOR**
Pin compatible with older 3-terminal adjustable regulators, but with better performance in terms of drop and output tolerance.
- 1.3V drop-out at 1.5A
- Internal power and thermal limit
- Guaranteed output current up to 1.5A
- Input voltage 30V
- Output voltage 3.6V
- TO220AB package

**STEP DOWN SWITCHING REGULATOR**
- Adjustable input 7-40V
- Output 5V, 1A (max)
- Shut down feature
- DIP8 package

**HIGH SPEED MOSFET DRIVER**
A high current buffer/driver capable of driving large MOSFETs and IGBTs.
- Rise/Fall time 60ns
- Supply voltage 20V
- Input current 50mA
- 0°C to 70°C operation
- DIP8 package

**RS-232 LINE DRIVER/RECEIVER**
Fabricated on BICMOS to combine low power CMOS with high speed bipolar circuitry which allows transmission rates up to 200Kbps, with power supply current under 5mA.
- Two drivers and two receivers
- Single 5V supply
- Integral DC-DC converters
- 0.1uf charge pump capacitor
- Pin compatible, high speed upgrade for AD232 & ADM232L
- DIP16 package

32,000 products ready for production.

Contact us for Production Packaging availability.

Products are packed for production in tubes, reels and trays in the quantity you need – no minimum order quantity. Look for the symbol online and in our April 2009 catalogue.

It’s easy to order for production. Simply add a P to the end of any product that has the symbol next to it on the website or in the catalogue when ordering to receive the production packaging version.
Since Thomas Edison’s electric light bulb started the first lighting evolution in 1879, there has been little change to the technology. This is about to change with the second lighting evolution - Solid State Lighting.

Solid State lighting uses Light Emitting Diodes (LED’s) to provide light to be seen, not light to be seen by. The brightness levels of the newest devices are now viable for many specific applications and improvements will soon allow LED’s to compete with the performance and cost of traditional light sources for general purpose lighting. The main advantages of LED’s over conventional methods are;

- Excellent Control for Exciting Designs
- Reduced Energy Consumption
- Improved Reliability
- Tough & Durable
- Lower Maintenance Costs

CREE XLAMP® LEDS
7060 series and 4560 series high performance colour and white LEDs in a reflow-solderable design optimised for ease of use and thermal management.
- Low operating voltage
- Full dimming
- Integrated lens
- ESD>2000V
- Small footprint

ESTEMO 36 / COLOURDRIVER RGB FLOODLIGHTING SYSTEM
A circular solid-state RGB light source, based on the latest high power LED technology. With integral heatsink enclosure and Colourdriver 36 constant current output and colour changing power supply. This contains one RGB Estemo 36, one Colourdriver 36 and all cables and connectors for immediate set up.
- IP67 rated
- Up to 50,000 hrs virtually maintenance-Free
- Emits no UV or IR radiation so is suitable for illuminating light sensitive materials or product
- Diameter 189mm, Depth 44mm, Height 230mm, Weight 2.4g
- Anodised aluminium finished case

NEW WFE 2ES VOLUME FUME EXTRACTION SYSTEM
The new WFE 2ES Volume Fume Extraction System from Weller enhances the soldering process by capturing the particles and pollutants produced to provide the operator with a comfortable, clean and safe working environment.
- Supplied with UK and Euro mains leads

WR3000M REWORK STATION KIT
This station will safely and professionally repair and rework the latest high technology sub-assemblies, handling components ranging from simple through holes to discreet surface mount devices.
- 3 separate channels each with auto tool recognition and auto temperature display
- 120W hot air pencil for SMD reflow applications
- Lock out function via 3 digit code - fixed temperature or temperature window
- Mini USB Port
- Supplied with UK and Euro mains leads

BATTERY POWERED SOLDERING IRON
- Super fast heat up - to working temperature within 15 seconds
- Cordless for field portability
- Develops 900°F for standard duty applications
- Long lasting nickel plated copper conical shape tip
- Auto shut-off when cap is replaced
- Supplied with 3xAA batteries, tip tool and lead free solder
Technologies to make your next generation of products successful

We drive your future and provide you with the latest and newest developed products in an almost endless range of electro-mechanics and electronics.

Our continually expanding capabilities include amongst others Interconnection Systems, Relays, Sensors, Cables & Cable Assemblies, Application Tooling, Switches, Passive Components like Resistors and Inductors and Magnetics to support you and your customers in all Industries.

If you are looking for high precision, optimum test and calibration performance, look no further! GE Sensing & Inspection Technologies now introduces the new Advanced Modular Calibration System that combines an advanced multi-function test tool and calibrator with world-class pressure measurement and generation. Temperature, electrical and frequency measurements and pressure now in one!

The Advanced Modular Calibration system is packed with the latest technology to provide truly comprehensive capability in the palm of your hand. From its video quality touch screen to its USB and wireless connectivity, its HART® configurator, its Windows® CE option and its modular pressure measurement and generating capacity from vacuum to 100 bar pneumatic and 1000 bar hydraulic.

So don’t compromise on any of your test calibration measurements! Simply get the Advanced Modular Calibration System from GE.

www.gesensinginspection.com

Visit our website to find exactly what you need. With over 200,000 in one place.

www.rs-components.com