

NEW PRODUCTS

RECENTLY INTRODUCED IN INDIA, FROM NEAR AND FAR

COMPONENTS

New ARTPEC-5 chip

Axis Communications has launched the next generation of its market-leading system-on-chip for network video cameras and video encoders. The new ARTPEC-5 chip is based on dual-core multiprocessor architecture, features a larger cache size and higher memory throughput. More processing power



and performance provide increased capabilities for intelligent video processing and video analytics applications.

The new ARTPEC-5 chip features support for the H.264 High Profile (HiP) video compression standard and high frame rate (60fps) encoding in full HDTV resolution (1080p). This resembles twice the frame rate and resolution offered by conventional HDTV video surveillance solutions today. High frame rates allow for capturing quick movements in detail such as when licence plates of fast-moving vehicles need to be identified. With full HDTV resolution, large overview areas can be monitored without compromises on image detail as will be required when an incident occurs.

Axis Video Systems India Pvt Ltd, Bangalore

Fax: (080) 41506468

Phone: 41571222

Web: www.axis.com

Capacitive touch controllers

Microchip Technology introduced a new set of capacitive touch control-



lers, the CAP12XX family. These turnkey capacitive touch controllers provide a wide variety of slider, button and proximity functionality. The CAP12XX controllers make it easy for designers to add aesthetically pleasing, low-cost touch interfaces. This new six-member family comprises CAP1203, CAP1293, CAP1206, CAP1296, CAP1208 and CAP1298, available in 8- to 16-pin packages. These products serve a wide range of applications in the consumer electronics and automotive markets. The family provides designers with improved proximity performance and 3.3V to 5V operation. It is also a lower cost option when integrated LED drivers are not required.

Microchip Technology Inc., New Delhi

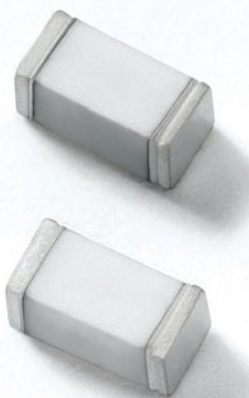
Fax: (011) 51608632

Phone: 41608631

Web: www.microchip.com

Gas discharge tube devices

Littelfuse has introduced the SE series of gas discharge tube (GDT) devices in a square, miniature EIA 1206 package, making it the smallest in the market.



Their ultra-low capacitance helps ensure high transmission speeds in broadband applications. They also respond rapidly to fast-rising transients to enhance the protection of sensitive circuitry. They offer excellent stability in multiple pulse duty cycles to help circuit designers boost reliability in applications designed to protect against voltage surges. The SE series GDTs are well suited for a broad range of applications, including security system components such as satellite and CATV equipment, CCTV equipment, analogue video, set-top boxes as well as RS-485 and Ethernet applications.

Littelfuse, Inc., Ghaziabad

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TEST & MEASUREMENT

Handheld testers

Aquasol Digital launches complete electrochemistry solutions for all your applications with a wide range of portable handheld testers. These instruments are designed and developed by professionals using advanced technologies in compliance with international standards. The microprocessor-based meter gives accurate readings in fluctuating temperatures and can be easily calibrated. There is an extensive range of portable handheld testers to aid in electrochemical measurements for a variety of applications including food, agriculture, wastewater treatment, industrial processes, environmental monitoring and research and development.

Rakiro Biotech Systems Pvt Ltd, Navi Mumbai

Fax: (022) 27600815

Phone: 27642236/7

E-mail: enquiry@rakiro.net

Web: www.rakiro.net

HD oscilloscopes

Teledyne LeCroy has introduced its HDO4000-MS and HDO6000-MS high-definition oscilloscopes, which combine 16 channels of flexible mixed-signal capabilities with



HD4096 high-definition technology, a vast memory and a compact form factor, in bandwidths from 200MHz to 1GHz. All HDO models sport a large 30.73cm (12.1-inch) touchscreen display and an intuitive interface to enhance operation. Powerful debugging tools, plus a full complement of automatic measurements and waveform math capabilities turn the HDO-MS oscilloscope into an all-in-one analogue, digital and serial debugging device. HDO6000-MS oscilloscopes are available in four-channel models and deliver sample rates of 2.5 GS/s; a maximum 250Mpts/channel memory, and bandwidths of 350MHz, 500MHz and 1GHz.

Teledyne LeCroy, Inc., Bangalore
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Spectrometer

Shimadzu Corporation has launched a multi-purpose energy dispersive X-ray spectrometer model called EDX-7000/EDX-8000. The combination of high-power X-rays and a high-resolution detector provides good detection limits and high accuracy for any type of material. One of the main strengths of Shimadzu's EDXRF is its powerful software. The analysis is performed by clicking just a single key. The calibration selection, best analysis time, intensity corrections, etc are taken care of automatically by the software. The combination of powerful software and hardware en-

ures detection limits that range from a low ppm to a high percentage. An added advantage is the analysis and measurement of coating thickness on any substrate. The spectrometer can test as many as five layers, with detection ranging from a few nanometers to microns.

Shimadzu Corporation, Mumbai
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LEDS & LED LIGHTING

Power LED downlighter

BinayOpto Electronics has launched the 70-CDM power LED downlighter that is designed as a practical light-equivalent replacement for a 70W CDMT (ceramic discharge metal-halide lamp) fitting. With a system power consumption of around 30-35W, this product consumes less than half the power of the CDMT lamp. It has a high colour rendering index of 85 (typical). Available with various options of beam angles, the product is able to form a sharp spot for well-defined illumination. Several colour temperature (CCT) options (such as 3000K, 4000K and 6500K) are available. Other advantages include instant start-on, no infrared or radiated heat output, shock-proof and solid-state construction.

Binay Opto Electronics Pvt Ltd, Kolkata
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LED slim panel downlight

GSR Infocom has launched an LED slim panel downlight. This product uses an SMD power LED as the light source and can discharge heat rapidly



into the atmosphere. This technology can help to lower the temperature of the spot light, reduce the deterioration of the LED and improve the lifetime of the lamps (life span >40,000 hours). Its features include ultra-thin design conception with just 14mm thickness; it saves energy up to 50-70 per cent, has a high efficiency heat protection system and is driven by a constant current power supply with input AC of 90V to 265V. Other features are an instant start, no flickering, no humming, green environment protection and no RF interference. The company claims that the product has the highest lumens amongst other similar products available in the market.

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MISCELLANEOUS

Gesture control sensor board

Vishay Intertechnology has launched a gesture control sensor board that supports touchless swipe right, swipe left, proximity and tap control to any device by using a digital proximity sensor and two discrete infrared emitters. The board consists of a Vishay Semiconductors VCNL4020-integrated proximity and ambient light sensor and two of Vishay's VSMF2890RGX01 infrared diodes mounted on either side of the sensor. Sensors that recognise and respond to hand gestures are being designed into consumer products with increasing frequency. Swiping right and left would move to the next or previous page, picture or selection. A tap would be used to make a specific selection and is similar to touching the screen. Pushing in and out zooms in or out, turns the volume higher or lower or changes the back-lighting intensity.

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