**Band pass filters**

Crystek has introduced a range of SAW band pass filters, the CBPFS series. Encased in a rugged SMA housing, the range is designed for test equipment and general lab use.

Six models, with centre frequency ranges from 836.5 to 1960.0 MHz, comprise the range.

The filters have good out-of-band rejection and feature 50 Ω SMA connectors. Band-pass width is rated at 25, 26 or 60 MHz, depending on model. All filters have an operating temperature range of -40 to 85°C.

**Wireless Components**

Contact info and more items like this at wf.net.au/K711

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**Networking SBC**

IEI Technology has released a 5.25-in single board computer, the NOVA-PV-D4251/D5251, featuring quad PCIe GbE for networking applications.

The device is equipped with the Atom D425/D525 processor, specifically designed for entry-level computing with 800 MHz DDR3 memory support and an increased processor speed of 1.8 GHz.

The key features of the NOVA-PV-D4251/D5251 include ASF 2.0 support, TPM V1.2 hardware security functions and UEFI BIOS architecture that supports over 2.2 TB of HDD storage on a 64-bit operating system.

It features quad PCIe GbE connectors for complex networking environments. In addition, it is supplied with several I/O options including two SATA 3 Gbps and six RS232 serial port connectors.

Dual independent display support is provided through either a VGA and 18-bit single-channel interface (WXGA resolution up to 1366x768 or XGA 1024x768) or a 24-bit dual-channel LVDS interface (resolution up to 1920x1080). The DVI-I interface supports resolution up to 2560x1600.

All Atom D425/D525 SBCs include one key recovery software that eliminates the frustration of system recovery after unexpected system failure.

Soanar Limited

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**RF power amplifiers**

Microchip has expanded its RF power amplifier portfolio, with the SST12LP17E and SST12LP18E devices.

The SST12LP17E is said to be the smallest fully matched power amp in its class, requiring only one DC bypass capacitor to achieve optimum performance.

The SST12LP18E is a lower-cost, lower-voltage alternative to the company’s SST12LP14E power amp. It offers the lowest operating voltage of any company RF power amp, while operating at -20 to +85°C. The devices feature operating voltages of 2.7 V, linear output power of 18.5 dBm at 2.5% EVM using IEEE 802.11g OFDM 54 Mbps and 23.5 dBm for IEEE 802.11b and a high power-added efficiency of up to 38% for IEEE 802.11b.

The amps are suitable for embedded WLAN applications where small size, high efficiency and low-battery voltage operation are required.

Microchip Technology Australia

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