

NEW PRODUCTS

interconnect reliability in high vibration applications. These compact and reliable products break ground loops in applications such as industrial, avionics and instrumentation equipment. Both devices operate from an input voltage of 3.1V to 32V, delivering a regulated output voltage on the secondary side, adjustable from 2.5V to 12V (LTM8047) and 1.2V to 12V (LTM8048). The LTM8048 includes a low noise linear post regulator that reduces the output ripple noise to 20µVrms at 300mA.

Linear Technology Corp.
linear.com



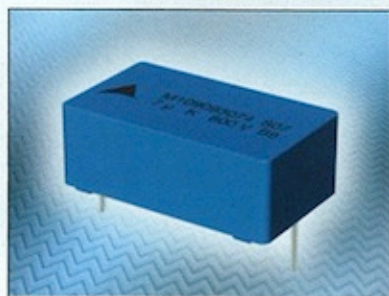
Coaxial Switch

The 2EL Series SPDT Coaxial Switches features SMA connectors and operates at a frequency of DC to 18 GHz and the 2ELE Series operates at DC to 26.5 GHz. Both series are available with failsafe and latching self-cut-off options. Operating Life: 5,000,000 cycles typical (3,000,000 min); RF Impedance: 50 ohms nominal; Operating Temperature (failsafe): -55°C to +85°C ambient; Operating Temperature (failsafe): -25°C to +85°C ambient; Switching Sequence: Break Before Make. Ducommun LaBarge Technologies has design Engineers who can create custom versions for your specific applications.

Ducommun LaBarge Technologies
ducommun.com

Capacitors

TDK-EPC has developed a wide range of EPCOS MKP and MKT film capacitors with low insertion heights. The new capacitors of the



B32*6T series with a lead spacing of 37.5 mm feature insertion heights of only 15 or 19 mm. These components are designed for rated voltages of between 63 and 2000 V DC or 250 to 400 V AC. Their capacitance ranges from 0.1 to 82 µF. Depending on type and technology (MKT or MKP), these capacitors are designed for maximum operating temperatures of 105, 110 or 125 °C. Applications include DC link circuits as well as DC or AC filtering in converters and power supplies. Their reduced insertion heights make these capacitors especially suitable for applications that require a low-profile design. These include induction cookers, photovoltaic micro inverters, power supplies for flat-screen TV sets and LED lighting. Thanks to their low insertion heights, they offer very high mechanical resistance to vibrations and shocks, making them equally suitable for subassemblies in automotive electronics.

TDK-EPC
epcos.com

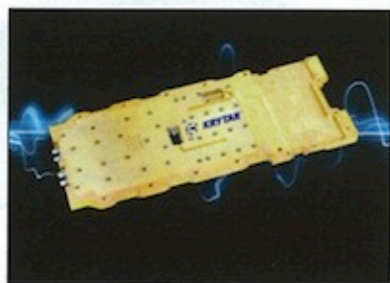


VCO

Crystek's CVCO55CC-3750-3800 VCO (Voltage Controlled Oscillator) operates from 3750 MHz to 3800 MHz with a control voltage range of 0.5V-16V. This VCO features a typical phase noise of -105 dBc/Hz @ 10KHz offset and

has excellent linearity. Output power is typically +2 dBm. Engineered and manufactured in the USA, the model CVCO55CC-3750-3800 is packaged in the industry-standard 0.5-in. x 0.5-in. SMD package. Input voltage is 5V, with a max. current consumption of 30 mA. Pulling and Pushing are minimized to 1.0 MHz and 2.5 MHz/V, respectively. Second harmonic suppression is -15 dBc typical.

Crystek
Crystek.com



Beamforming Networks

KRYTAR offers the widest frequency coverage in single-packaged beamforming network designs and provides superior performance in a wide range of RF and microwave applications. KRYTAR's long history of excellence in the design of broadband microwave components including directional couplers, detectors, quadrature hybrids, power dividers/combiners, terminations and coaxial adapters, offers the unique ability to produce ultra-broadband passive beamforming network solutions. RF and microwave system engineers can look to KRYTAR to take the confusion and complexity out of their design challenges with unique mechanical and electrical solutions using proprietary computer-aided-engineering (CAE) tools. KRYTAR beamforming networks are multifaceted assemblies for a wide range of applications including multiple antenna and antenna arrays used in military electronic systems and commercial communications systems.

KRYTAR
krytar.com