



- Military/Aerospace Tantalum & Ceramic Capacitors, MIL PRF, DSCC, ESA and CECC approvals
- Wet Tantalum High CV (6600uF) & ultra low ESR
- Switch Mode Power Supply Capacitors
- High temperature capacitors for 150°C & 200°C applications
- Automotive series capacitors
- EMI filters
- Glass capacitors



- Hardware and Software for Test, Simulation, Maintenance and Development of Avionic Data Buses
- ARINC 429, 664/AFDX, 708, 717, 629, Serial (RS422/232,423) & Mil-STD-1553
- Avionics Bus Box



- High Voltage Multilayer Capacitors for Industrial, Military and Space Applications
- High Voltage Pulse Discharge Capacitors
- High Voltage High Temperature Capacitors to 200°C



- Rugged, durable & high performance interconnect solutions qualified to MILDTL83513
- Dura-Con Combi, Dura-Con Hermetic, Dura-Con Nano
- Cin::Apse Solderless Interconnect Technology exceptional Mechanical & Electrical performance multipoint high speed contact small in size, low in inductance & exceptional resistance to shock vibration & thermal cycling
- Custom Interconnects
- Harness Assemblies
- Modular Integrated Circuit Enclosures



- Silicon Carbide Schottky Diodes
- 600V at 1A- 20A
- 1200V at 5 - 20A
- Power Control & Management Applications
- Efficiency benefits for PFC, Solar Inverter, Motor Drive and Output Rectification
- SiC Schottky products available to ISO 9001, QS9000 & ISO/TS 16949



- HiRel Mica and Teflon Capacitors for Military, Industrial, Aerospace and Medical High and Low Voltage Applications.
- High Temperature Capacitors to 360°C
- Pulse Discharge Capacitors
- Bus Bar Assemblies
- Epoxy Moulded & Laminated Bus Bars
- High Power, Low Inductance Bus Bars
- Custom Semiconductor Pulse Switches



- High Voltage Resistors up to 60kV
- Non Inductive Low and High Voltage Resistors
- Precision Resistors
- Metalux Resistors
- High Pulse Load Resistors



- Ultracapacitors & hybrid capacitors 100 to 5000F
- Optimised for high performance and low resistance (ESR), to deliver & absorb a high current
- Individual cells, prepackaged modules or complete system integration, any voltage requirement available
- Hundreds of charge/ discharge cycles with minimal changes in the performance over the product life cycle
- Temperature tolerance over a wide range of climate conditions typically -40°C to +70°C
- Virtually maintenance free



- ARINC 429 Data Bus IC's
- MIL-STD-1553 IC's and Transformers
- Ceramic and Plastic Packages
- COTS Products



- Radiation Hard and High Temperature Products
- Digital and Mixed Signal ASIC's and FPGA's
- MRAM, SRAM, NVRAM
- A/D Converters



- HiRel Opto Couplers
- Solid State Relays, Power Controllers & Thermostats
- LED's & Detectors
- Power Op Amps



- HiRel Custom Packaging
- DSCC Approved After Market Manufacturer
- Die Processing and Storage
- Hermetic Power Components
- Mil-Spec Power Regulators



- Manufactured to MIL-PRF-55310
- Hybrid Oscillators - TCXO's
- Clock Oscillators - DICXO's
- VCXO's - OCXO's
- Oscillators for High Shock and Vibration
- RAD Hardened Oscillators Utilising Swept Quartz
- Oscillators for Extreme Temperature Environments (55 to +125C)



- Power Diodes Meeting European and USA Military Specs
- Standard Axial Leaded / SMD Rectifiers & TVS Products
- High Voltage and High Current Configurations
- QPL Product Range including Space



- Miniature Solid State Pulse Switches
- Current or Voltage Triggered Versions
- 6,000 A peak pulse current. 50nS Turn on
- 1,400 to 4,000 V Di/Dt > 50kA/us



- Military Solid State Relays
- Industrial Solid State Relays
- RF & Attenuator Relays / Coaxial Switches
- Electro-Mechanical Relays
- Microwave Cable Assemblies from Teledyne Reynolds



- Dual and Single Winding Power Inductors
- Pulse and Data Bus Transformers
- Custom Power Transformers and Inductors
- High Temperature (200°C) Inductors and Transformers
- RF Inductors
- RF Wideband Transformers

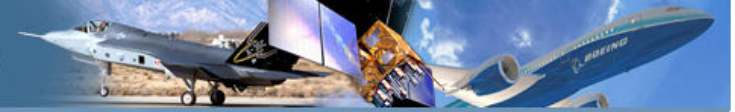


- High Voltage Diodes
- Voltage Multipliers
- DIL High Voltage Multipliers
- Surface Mount HV Diodes
- QPL Product Range
- High Voltage Opto Couplers to 25KV
- High Voltage Power Supplies



- Hi Density, Hi Reliability, Low profile, Lightweight DC-DC Converters
- 28V and 270V Inputs
- Full Mil and COTS products
- Space DC-DC Converters
- EMI Filters and Transient Suppressors
- MIL-PRF-38534 Certified
- ISO 9001, and AS 9000 Certifications
- Military, Aerospace, Space and COTS Applications
- DSCC Certified products
- Def-Stan 61-5 Part 6 Issue 6

Power Your Critical Mission Today.



- Crystal Oscillators for Military and Space Applications
- MIL-PRF-55310 QPL : /08,11,14,15,16,17,18,19,26.
- Hybrid Microcircuit Oscillator in 4 & 14 Pin DIP & LCC
- Wide Variety of Frequencies
- High Frequency Stability v's Temperature



Energy Storage Solutions



Avionics Bus Box

- MIL-STD-1553
- ARINC 429 / 575 / 708 / 453 / 717 / 573
- RS-232/422/485
- Ethernet (10/100)
- USB 2.0 Host (High Speed)
- Compact Flash® disk
- Discrete I/O
- DO 160 Approved



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Specialist Electronic Components