



ISO 9001 : 2000 CERTIFIED
A Tradition of Excellence
Since 1989

**MILITARY AND INDUSTRIAL
PRODUCTS FROM
10 MHz TO 40 GHz**

● **LOG AMPLIFIERS & SDLVA's:**

- LOG IF AND RF AMPLIFIERS
- SUCCESSIVE DETECTION LOG VIDEO AMPLIFIERS (SDLVA's)

● **THRESHOLD DETECTORS:**

- ULTRA FAST <10ns THRESHOLD DETECTORS
- TTL OR ECL OUTPUT LOGICS ARE AVAILABLE
- INTERNALLY OR EXTERNALLY ADJUSTABLE THRESHOLD LEVELS

● **PHASE SHIFTERS & MODULATORS:**

- ANALOG & DIGITAL HIGH SPEED PHASE SHIFTERS
- I & Q VECTOR MODULATORS / DETECTORS
- ULTRA FAST <10ns BIPHASE MODULATORS

● **LIMITERS AND DETECTORS:**

- HARD LIMITERS
- DIODE DETECTORS
- LIMITER DETECTORS
- DIRECTIONAL DETECTORS
- LINEAR AMPLIFIER DETECTORS

● **PASSIVE AND ACTIVE COMPONENTS:**

- POWER DIVIDERS
- HYBRID COUPLERS
- DIRECTIONAL COUPLERS
- DUAL DIRECTIONAL COUPLERS
- PRE-SCALER/FREQUENCY DIVIDERS
- VIDEO BUFFER AMPLIFIERS
- HIGH SPEED VIDEO AMPLIFIERS
- RF SINEWAVE TO TTL CONVERTERS
- HIGH SPEED TTL & ECL CONVERTERS
- IMAGE REJECT & BALANCED MIXERS
- FREQUENCY & POLAR DISCRIMINATORS

● **INTEGRATED ASSEMBLIES AND SUBSYSTEMS:**

- FREQUENCY SYNTHESIZERS
- MONOPULSE COMPARATORS
- IFM AND CHANNELIZED SUBSYSTEMS
- HIGH DYNAMIC RANGE RECEIVER FRONT ENDS
- SWITCHED BIT ATTENUATOR ARRAY ASSEMBLIES
- LEVEL, SCAN AND PULSE MODULATION MODULES
- HIGH AND LOW BAND DIRECTION FINDING MODULES
- MICROWAVE MONITORING RECEIVERS FOR CW & PULSED SIGNALS

● **CUSTOM ASSEMBLIES AND SUBSYSTEMS:**

- RF OSCILLATOR COMPONENT CONSOLIDATION RF SUBSYSTEMS



SCREENING TO MIL-STD-883 AVAILABLE FOR ALL PRODUCTS

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*In Pursuit of Excellence
Through Engineering
Since 1978*

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● **SOLID STATE SWITCHES:**

- DC TO 40 GHz
- SPST THROUGH SP64T
- SUB-OCTAVE BAND AND OCTAVE BAND
- BROADBAND AND ULTRA-BROADBAND
- WITH AND WITHOUT INTEGRAL DRIVERS
- TTL, ECL, CMOS AND RS422 CONTROL TYPES
- RECTANGULAR AND RADIAL MECHANICAL OUTLINES
- CONNECTORIZED AND SURFACE MOUNT
- HIGH SPEED, HIGH ISOLATION AND LOW LOSS MODELS
- VARIABLE RISE TIME AND OTHER SPECIALTY SWITCHES



● **SOLID STATE VARIABLE ATTENUATORS:**

- 10 MHz TO 18 GHz
- UP TO 120dB DYNAMIC RANGE
- SUB-OCTAVE, OCTAVE AND BROADBAND
- NON-LINEAR CURRENT CONTROL
- LINEARIZED ANALOG VOLTAGE CONTROL
- LINEARIZED DIGITALLY PROGRAMMABLE VOLTAGE CONTROL
- UP TO 12 BIT DIGITALLY CONTROLLED RESOLUTION
- HIGH SPEED AND LOW SPEED MODELS
- SWITCHED BIT ATTENUATORS



● **DETECTOR LOGARITHMIC VIDEO AMPLIFIERS:**

- 10 MHz TO 40GHz
- 45dB AND 70dB DYNAMIC RANGES
- ALL MODELS ARE TRULY DC-COUPLED
- CW AND NOISE IMMUNITY MODELS
- VERY HIGH SENSITIVITY MODELS
- LINEAR DETECTOR MODELS
- MINIATURE MODELS AVAILABLE
- SUB-OCTAVE, OCTAVE, BROADBAND AND ULTRA-BROADBAND
- INTEGRATED SUPERCOMPONENTS AND SUB-SYSTEMS AVAILABLE



SCREENING TO MIL-STD-883 AVAILABLE FOR ALL PRODUCTS

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