



KOLT

Representatives Line Card

OUR STORY

Founded in 2014, we are a technology company specialized in power electronics in Turkey.

- Total of 45 people
- Very experienced engineering team of 10 people
- Dedicated sales team of 3 people
- 3 offices (Head office, Sales office and R&D office)
- ESD controlled inventory including ERP software and dedicated personnel

We are both design and manufacturing approved vendors of major aerospace/defense companies in Turkey, including ASELSAN and ROKETSAN. We are also a strategic partner of ASELSAN.

- ISO 9001 certificate
- NATO and MSB approved facility security certificates
- IPC certified manufacturing personnel



MANUFACTURERS

SENSITRON
SEMICONDUCTOR
YOUR POWER SOLUTIONS PROVIDER

Power electronic component solutions for military and space applications.



Hybrid power modules for space and military applications.

FLUX
power magnetics

Transformers, chokes, inductors, and power supply solutions.



High-performance MEMS inertial sensors, systems and integrated GPS

Quantic TRM

RF/Microwave components and integrated subsystem assemblies



RF & Microwave components



RF & Microwave solutions (Antenna, Waveguides, Rotary Joint).



Composite material solutions.

ERAFAANT
NEXT GENERATION MILLIMETERWAVE COMPONENTS

RF & Microwave solutions



MMIC based microwave solutions



Hermetic package solutions.



Hi-Rel fuse and ferrite chip solutions for space and military applications.



Noise sources and test equipment solutions



Space and military microwave solution's supplier



Ceramic capacitor solutions



GLADIATOR TECHNOLOGIES

Gladiator Technologies is a leading designer and manufacturer of high-performance MEMS inertial sensors, systems, and integrated GPS. Gladiator Technologies is pushing performance boundaries by combining low-noise sensors and high-speed data processing. Our products meet the highest inertial sensor demands in a SWaP-C package. Our robust, temperature-modeled inertial systems and sensors offer an advancement in inertial technology realized in MEMS IMUs, INS/GNSS, Gyroscopes, Accelerometers, and AHRS.

Origin: USA

Website: www.gladiatortechnologies.com

1. Accelerometers

- **A300D**, 3-Axis MEMS Accelerometer
- **A40**, Single-Axis MEMS Accelerometer

2. Gyroscopes

- **G300D Triaxial Gyroscope**
1000g Shock
- **G200 Dual Axis Gyroscope**
500g Shock
- **G150Z Single Axis Gyroscope**
500g Shock

3. IMUs

- **LandMark™005 IMU**, 490°/s Gyroscopes & 15g Accelerometers
- **LandMark™007 IMU**, High Speed, 6-Axis, 2000°/s Gyroscopes & 98g Accelerometers
- **LandMark™007X IMU**, High Dynamic 6-Axis, 2000°/s Gyroscopes & 200g Accelerometers
- **LandMark™60LX IMU**, Ultra Low VRW, 490°/s Gyroscopes & 15g Accelerometers
- **MRM60 IMU**, Analog Output, 490°/s Gyroscopes & 15g Accelerometers
- **LandMark™60 IMU**, Standard 6-Axis, 490°/s Gyroscopes & 15g Accelerometers
- **LandMark™60VG**, Vertical Gyro, 490°/s Gyroscopes & 15g Accelerometers
- **LandMark™01 IMU**, Low Cost IMU, 490°/s Gyroscopes & 15g Accelerometers

4. AHRS

- **DIGS™100**, Low Noise, High Speed, MEMS AHRS.

5. INS/GPS

- **LandMark™005 INS/GPS**
- **LandMark™60 INS/GPS**



SENSITRON **SEMICONDUCTOR**

YOUR POWER SOLUTIONS PROVIDER

1. **High Power Rectifier Bridge**
 - [Light Weight Bridge Rectifiers](#)
 - [Standart Bridge Rectifiers](#)
 - [High Power Bridge Rectifiers](#)

2. **Motion Control & Power Modules**
 - [Complete Motor Controllers](#)
 - [Controllers in Enclosures](#)
 - [Intelligent Power Modules](#)
 - [Power Bridge Modules](#)
 - [Motion Control Capabilities](#)

3. **Power Distribution & Control**
 - [Single Channel SSPCs](#)
 - [Multi Channel SSPCs](#)
 - [Linear Voltage Regulators](#)
 - [Solid State Relays](#)
 - [Bidirectional Current Limiter](#)

4. **TVS Modules**
 - [High Power Protection](#)
 - [Lightning Strike Protection](#) for 28V
 - [MIL-STD-704 and 1399 Modules](#)

5. **High Reliability Diodes & Transistors**
 - [Ultrafast/Fast/Standart Rectifiers](#)
 - [Zener Diodes](#)
 - [Small Signal/Switching Diodes](#)
 - [Solar Array Diodes](#)
 - [TVS Diodes](#)
 - [SiC Schottky Diodes](#)
 - [Diode Arrays](#)
 - [MOSFETs](#)
 - [TVS/Zener/Rectifier Dies](#)
 - [IGBTs/Thyristors](#)
 - [MIL-PRF-19500 QPL Products](#)
 - [Transistor Arrays](#)
 - [Schottky Diodes](#) up to 15-200V
 - [SiC MOSFETs](#) up to 2500V

SENSITRON

Rugged, lightweight, cost-effective, and high-reliability power electronic component solutions for the Defense, Aerospace, Space, Medical and other high-reliability markets.

Origin: USA

Website: www.sensitron.com





1. [Hi-Rel Fuses](#) – High Reliability Solid Body Fuse like P800L, SK406, P600L, P700L, FM12,
2. [Hi-Rel Ferrite Chips](#) – AEM's ferrite chips are intended for high reliability applications.
3. [Tin Whisker Mitigation](#) – Tin Whisker Mitigation (TWM) by adding lead (Pb) to chip size components with pure tin (Sn) terminals.

AEM

AEM is the sole supplier of high-reliability fuses listed on the DSCC approved QPL. AEM high-reliability fuses are used by NASA and every other major manufacturer of satellite, spacecraft and space related hardware throughout the world. AEM is also the world's sole manufacturer of high-reliability ferrite chip beads designed for space and military use.

Origin: USA

Website: www.aem-usa.com



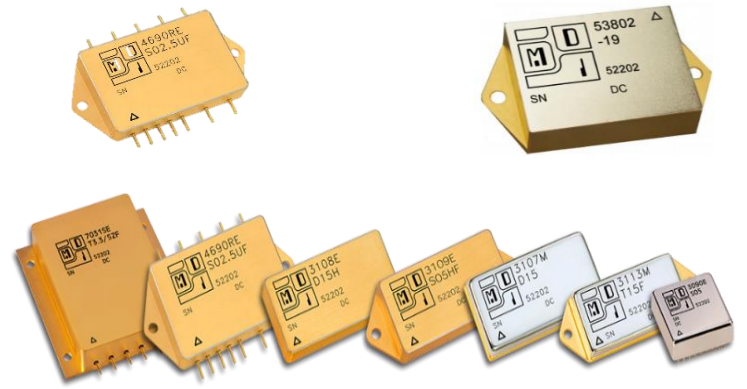
1. [Space Solutions](#) – Hybrid DC-DC Converters up to Quad Output and 500W Power
– Solid State Relay Rad Hard
– EMI Filters
– Inrush Limiter
– Bus Master Hybrid Module
– Active "OR" Hybrid Module
2. [Military & Aerospace Solutions](#) – DC-DC Converters up to 100W
– Solid State Relay
– EMI Filters
3. [Marine / Railway / High Temperature](#) – DC-DC Converters up to 80W

MDI

Modular Devices Inc. specializes in the rapid design, development, and manufacture of robust, state-of-the-art DC-DC converters, power supplies, power controllers and power distribution products for space, aerospace, military, industrial and commercial systems.

Origin: USA

Website: www.mdipower.com



FLUX

power magnetics

1. [Space & Defence Solutions](#)
 - Gate Transformers
 - Bus Transformers
 - Current Sense Transformers
 - Inductors
 - Chokes

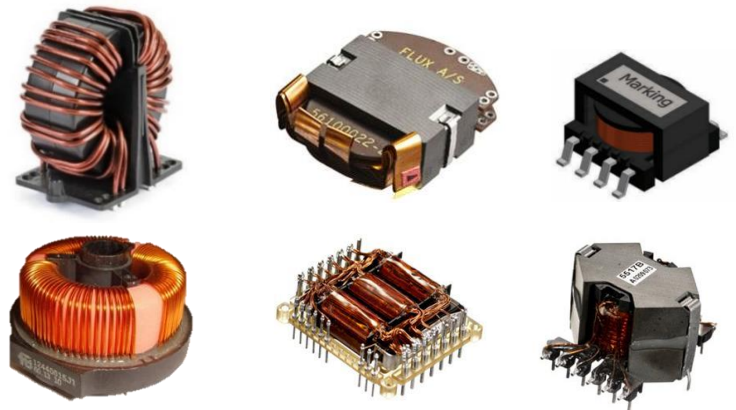
2. [Industrial & Military Solutions](#)
 - Choke
 - HF Aircool Transformer
 - RM Magnetic
 - Trafo SMPS
 - Planar
 - Potocore Carriers
 - Ballun
 - Current Sense Transformes

FLUX

Over 25 years of experience in the design and manufacturing of magnetic components allows us to meet the most challenging requirements and tailor the component to your specific needs. Our strength is in designing and manufacturing products of high quality, high mixture, and complexity, yet in low to high volumes.

Origin: Denmark

Website: <http://flux-int.com/>



1. [Termal Imaging](#)
 - HTCC (High Temperature Co-Fired Ceramic) package solutions

2. [Optoelectronic](#)
 - High-frequency package solutions used for 100G and 400G TOSA/ ROSA and modulator designs with multi-layer HTCC technology.

3. [Power Packages](#)
 - For power converters, motor drives, SMPS, hybrid power converters, using GTMS (Glass-to-Metal Seal) or CTMS (ceramic to metal seal feeding technology) package solutions.

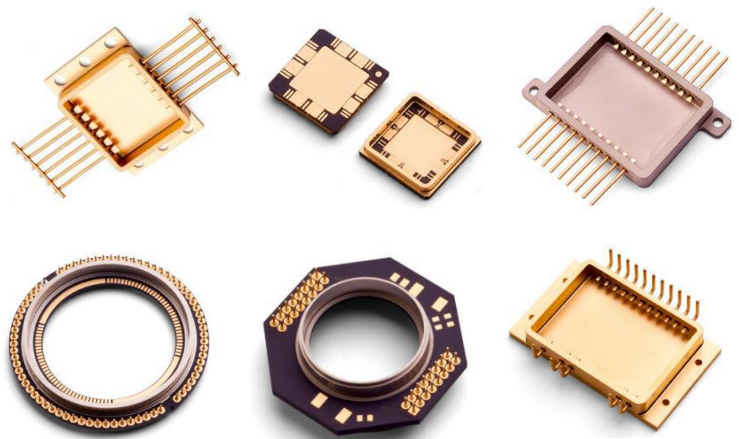
4. [RF/Microwave](#)
 - Package solutions made with both Kovar and Aluminum materials.

EGIDE

Hermetic packages for combat aircraft, missile computers, infrared detectors, radars, equipment in armored vehicles, helicopters, drones, aircraft carriers, FADEC...

Origin: France

Website: www.egide-group.com





PRESIDIO COMPONENTS, INC.

U.S. Manufacturer of Hi-Rel Ceramic Capacitors Since 1980
Phone 1-858-578-9390 • San Diego, CA • Email: info@presidiocomponents.com

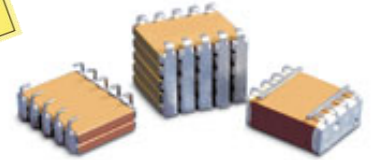
1. [Multilayer Ceramic Chip Capacitors](#)
2. [High-Reliability Extended Range Chips for Space](#)
3. [SMPS/Stacked Capacitors](#)
4. [Radial Leaded Capacitors](#)
5. [High-Temperature Ceramic Capacitors](#)
6. [Cryogenic Ceramic Capacitors \(Down to 4°K\)](#)
7. [Pulse Energy Capacitors for EFI Detonators](#)
8. [High Voltage Ceramic Capacitors](#)
9. [Microwave, Fiber Optic, and RF Capacitors](#)
10. [High Q NPO RF Ceramic Capacitors](#)

PRESIDIO COMPONENTS

Presidio Components, which has been an industry leader in the manufacture of ceramic capacitors since 1980, are used in a variety of commercial, military and high-reliability space applications.

Origin: USA

Website: www.presidiocomponents.com



Quantic™ TRM

1. [Directional Couplers](#)
 - Three and four port directional couplers, and dual directional couplers which are realized by using lumped element, airline or stripline technology up to 26.5 GHz.
2. [Hybrids](#)
 - High Power Cellular, PCS and Dual band models for telecommunication app. and octave/multi-octave band lower power, high performing devices for land, air and sea based military architectures.
3. [Power Dividers Combiners](#)
 - Complete series of standard in-phase units from 2-way to 24-way, in the frequency range of DC-26.5 GHz.
4. [Custom](#)
 - Balun Transformers
 - Beamformers
 - High Power Combiners, Couplers, Hybrids
 - Modulators
 - Phase Comparators
 - Switched Combiners
 - Power Dividers
 - Space Qualified Solutions

QUANTIC TRM MICROWAVE

Quantic TRM specializes in the design and manufacture of RF/Microwave components and integrated subsystem assemblies, providing both customized solutions and an extensive catalog of standard parts. We have been serving our nation's top defense and space contractors since 1970 by providing expert engineering solutions and highly reliable, innovative products to solve complex challenges.

Origin: USA

Website: www.trmmicrowave.com





3. [Amplifiers](#)

- Low Noise Amplifiers, Wideband Amplifiers, Medium Power Amplifiers, High Power Amplifiers operating over the frequency range of DC-40GHz.

4. [Digital Phase Shifters](#)

- 5/6/7/8-Bit digital phase shifters in various frequency bands of L, S, C, X, Ku, etc. with on-chip TTL driver for phased array radar applications. Additional advantages are low power consumption & faster switching with the signal drivers.

5. [Core Chips](#)

- Multi-Functional Transmit / Receive 3 port core chip operating in X Band.

6. [Attenuators](#)

- Low loss fixed attenuators up to 40GHz as well as digital attenuators up to 20GHz.

7. [Switches](#)

- Variety of broadband HEMT switches covering DC-40GHz with very low insertion loss, high isolations & switching speeds less than 50ns.

8. [Mixers](#)

- Double balanced mixers from 2-18GHz with IF frequency as high as DC-4GHz with LO Powers ranging from 7-13dBm.

9. [Custom Products](#)

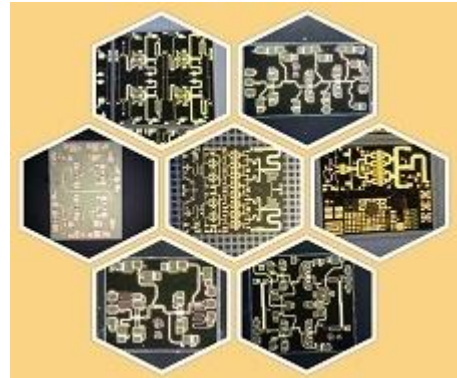
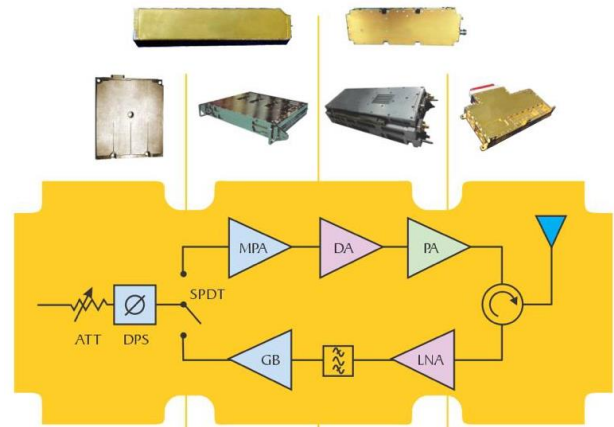
- Development of custom MMIC. The products are tested and packaged as per customer's requirement utilizing state-of-the-art facilities.

AELIUS

Aelius Semiconductors develops GaAs and GaN MMIC (Monolithic Microwave Integrated Circuit) products based on a robust and reliable design philosophy. These designs are fabricated at leading foundries across the world. The products are tested and packaged as per customer's requirement utilizing state-of-the-art facilities. Products of Aelius Semiconductors find applications in Wireless & Telecom, Industrial, Military & Space Markets.

Origin: Singapore

Website: www.aeliussemi.com





1. [Waveguide Products](#)

- Standard rectangular waveguides ranging from WR-650 to WR-28, including flexible and bendable waveguides

2. [Rotary Joint](#)

- Rotary Joint in a wide variety of coaxial and waveguide configurations for a variety of platform applications such as ship, aerial, on-board radars

3. [Ferrite Device](#)

- Wide variety of ferrite waveguide devices such as Circulators, Switches or Isolators

4. [Monopulse Comparators](#)

- Waveguide Monopulse Comparators for radar applications

5. [Microwave Absorbing Loads](#)

- Wide range of Microwave Absorbers to reduce unwanted reflections

6. [Passive Waveguide Components](#)

- Microwave components according to customer requirements such as Multipole Filters, Orthomode Transducers and Power Combiner/Divider

7. [Antennas](#)

- Waveguide Horn Antenna
- Corugated Horn Antenna
- Planar&Printed Antenna
- Reflector Antenna

8. [Solid State Waveguide Power Limiters](#)

- X-Band TR Limiter based on Solid State technology

9. [Lightweight Waveguides](#)

- Lightweight Waveguides for space applications

10. [Milimeter-wave Components](#)

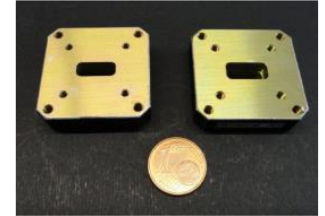
- Products such as Polarizer and OMT are produced by electroforming.

PASQUALI

Pasquali Microwave Systems manufactures microwave components and assemblies for application in systems of high precision and great reliability such as civil and military radars and, more in general, for applications in space, telecommunications, and security sectors.

Origin: Italy

Website: www.pasquali-microwavesystems.com



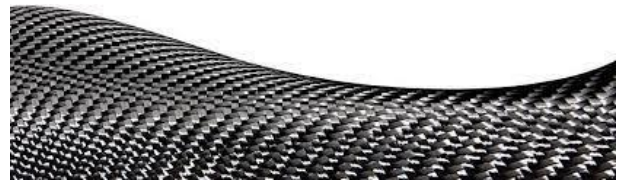


VEGA COMPOSITES

Vega Composites offers CRFC and Metal Assemblies for Defense, Aerospace, Civil/TLC, and Automation & Robotics sectors. VEGA Composites is able to offer its customers a 360- degree service that could handle elastically each stage of the production process, from design to construction of models and molds to the construction, testing, and certification of the finished piece.

Origin: Italy

Website: www.vegacomposites.com



1. [Composite Materials](#)

- Carbon Fiber
- Glass Fiber
- Kevlar
- Innegra
- Rohacell
- Dyneema

2. [Integrated Complex Metals](#)

- Special Steel
- Titanium
- Aluminum Alloys



QOTANA

Qotana designs and manufactures microwave, and millimeterwave products for Wireless infrastructure, RF Microwave&VSAT, Test and measurement Instruments, Fiber Optics, and 5G communication applications. Qotana focuses on board bands, high frequency, and high power products.

Origin: China

Website: www.qotana.com



Active Components

Passive Components

1. [Benctop EMC Amplifier](#)
3. [Switch](#)
5. [Low Noise Amplifier](#)
7. [Power Amplifier](#)
9. [Attenuator](#)
11. [Phase Shifter](#)
13. [Limiter](#)
15. [Power Detector](#)

2. [Power Divider](#)
4. [Coupler](#)
6. [Hybrid](#)
8. [Filter](#)
10. [Isolator](#)
12. [Circulator](#)
14. [Duplexer](#)
16. [Multiplexer](#)



SEMATRON ITALIA

Sematron Italia was established in 1982. Since then it's been one of the major suppliers in the Military, Telecom, Satcom, and Broadcast. Also, Sematron Italia represents some of the most known manufacturers of RF-microwave components and subsystems, Satcom, and broadcast equipment.

Origin: Italy

Website: www.sematronitalia.com

- | | |
|--|---|
| 1. Circulators / Isolators | 2. Couplers |
| 3. Filters | 4. Mixers |
| 5. Oscillators | 6. Phase Shifters |
| 7. RF/Microwave | 8. RF Power Transistors |



www.4and4eight.com/



Astra Microwave Products Ltd.
Leaders in RF and Microwave Technologies
www.astrampw.com



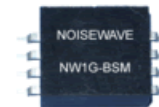
NOISEWAVE

NoiseWave Corporation is an international supplier of Noise Sources and Test Equipment. Noise is our focus, our business, so we can help yours. We provide our customers with high-quality standard and custom noise test solutions to meet commercial and military wireless applications.

Origin: USA

Website: www.noisewave.com

- | | |
|--|--|
| 1. Noise Diodes | 2. Milimeter Waveguide Noise Source |
| 3. Bite Module | 4. Amplified Noise Source |
| 5. DIP Module | 6. Manual & Programable Instrument |
| 7. Calibrated Noise Source | 8. CNG Instrument |



ERAVANT

NEXT GENERATION MILLIMETERWAVE COMPONENTS

6. [Flexible Waveguides](#)
18 to 110 GHz
8. [Coaxial Adapters&Attenuators](#)
DC to 110 GHz
10. [Waveguide Connector Adapters](#)
18 to 130 GHz
12. [Waveguide&Coaxial Filters](#)
18 to 170 GHz
14. [Power Dividers](#)
18 to 170 GHz
16. [Horn Antennas](#)
8.2 to 325 GHz
18. [Corner Reflectors](#)
1.4" to 24" Edge Length
20. [Omidirectional Antennas](#)
18 to 110 GHz
22. [Patch Array Antennas](#)
8.2 to 110 GHz
7. [Amplifiers](#)
0.1 to 170 GHz
9. [Passive Frequency Multipliers](#)
26.5 to 220 GHz
11. [Waveguide Fixed Termination Loads](#)
18 to 220 GHz
13. [Active Frequency Multipliers](#)
18 to 110 GHz
15. [Attenuators](#)
18 to 220 GHz
17. [Calibration Kits](#)
DC to 220 GHz
19. [Noise Source](#)
26.5 to 220 GHz
21. [Balanced Mixers&Up Converters](#)
18 to 170 GHz
23. [Pin&Diode Switches](#)
0.5 to 110 GHz

ERAVANT

Eravant is a woman-owned technology company focused on developing high-performance microwave and millimeter-wave components and subassemblies for commercial and military system applications.

Origin: USA

Website: www.eravant.com



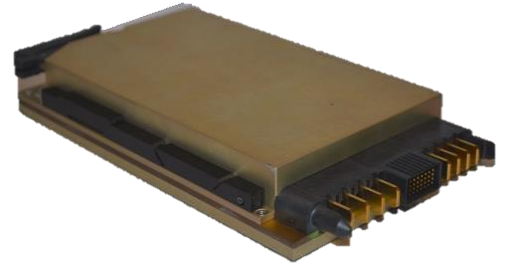
KOLT'S COTS PRODUCTS

We design and manufacture military grade power conversion products;

Brick Modules



VPX Power Supplies



Power Modules



DC/DC Power Converters



Battery Chargers



AC/DC Power Supplies



KOLT MÜHENDİSLİK A. Ş.

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