



*High Performance Components  
for Space Applications*





**KRYTAR, Inc.**, founded in 1975, specializes in the design and manufacturing of ultra-broadband, high performance microwave components and test equipment for both commercial and military space applications.

Products cover RF, microwave and mm-Wave frequencies and are designed for a wide number of applications including:

- Broadcast Satellites
- GPS Satellites
- Ground Testing
- Military Satellites (MILSAT)
- Radar Systems
- Scientific Payloads
- Telemetry Receiving Systems
- Telecommunications



KRYTAR has a commitment to technical excellence, innovation and the highest quality in reliability, durability and adherence to key environmental specifications – all combined for complete customer satisfaction.

These principles form the basis for the steady growth that has earned KRYTAR an enviable reputation in the microwave community.

#### RF, Microwave & mm-Wave Components for Space Applications

- 3 dB, 90° Hybrid Couplers
- 3 dB, 180° Hybrid Couplers
- MLDD Power Dividers
- Beamforming Networks
- Detectors
- Directional Couplers
- Terminations



KRYTAR products are designed and manufactured in our state-of-the-art facility located in the heart of Silicon Valley's technology center.

Products manufactured for space applications undergo additional reliability and quality assurance inspections during all phases of assembly, electrical evaluation, and shock/vibration testing. Parts, materials and processes are fully traceable from subordinate to top-level assemblies.

KRYTAR can also provide customized solutions to meet your application-specific requirements. Our quick-reaction capability, design responsiveness, flexibility, fast production turn-around and partnerships with our customers are qualities you can depend on.

#### KRYTAR Component Coverage Microwave Frequency Bands

Band Designation	Frequency Range (GHz)
UHF	300 MHz – 1.0 GHz
L	1.0 – 2.0
S	2.0 – 4.0
C	4.0 – 8.0
X	8.0 – 12.0
DBS	12.2 – 12.7
Ku	12.0 – 18.0
K	18.0 – 26.5
Ka	26.5 – 40.0
Q	30.0 – 50.0
U	40.0 – 60.0
V	50.0 – 75.0





## Focused on Your Needs:

- ❑ Broad Catalog of High Performance Designs
- ❑ Custom Extensions of Standard Products
- ❑ Custom Designs for Specific Applications
- ❑ Rapid Prototyping

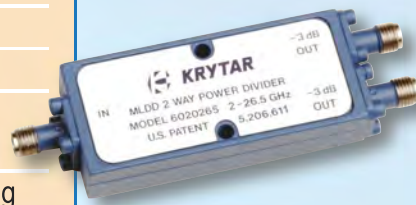
## KRYTAR Delivers:

- ❑ In-house Test Capability: DC to 67 GHz
- ❑ Complete Documentation: Electrical • Mechanical • Test
- ❑ AS9100C Aerospace Standard
- ❑ IPC-A-600 PCB Workmanship
- ❑ ISO9001 Quality Management
- ❑ MIL-STD-202 Test Methods
- ❑ MIL-STD-810 Test Methods
- ❑ Environmental:
  - Temperature • Vibration • Shock • Vacuum • Radiation



## KRYTAR Qualification Process

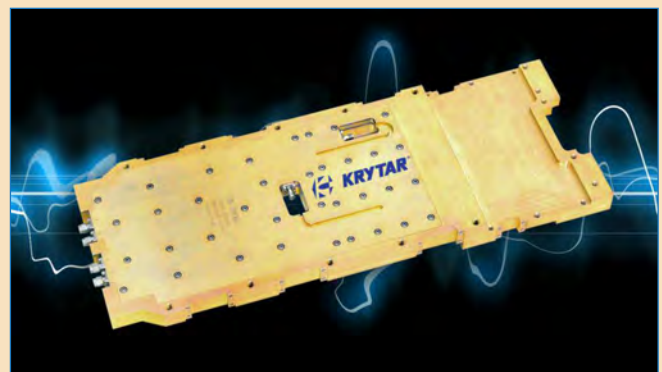
- ◆ Temperature Test Cycle
- ◆ Test Data with Serial Numbers
- ◆ Qualification Documentation Per Customer Request
- ◆ Reliability Analysis Report Including MTBF Calculations
- ◆ Complete Documentation Traceability:
  - Bill of Materials (BOMs)
  - Process/Route Sheet
  - Lot Numbers
  - Purchase Related Documentation



## KRYTAR Beamforming Networks

KRYTAR offers the widest frequency coverage in single-packaged beamforming network designs which provide superior performance in a wide range of applications. KRYTAR beamforming networks are multifaceted assemblies designed for a number of applications including multiple antenna and antenna arrays used in military electronics, commercial communications and aerospace systems. Superior performance and functionality as well as unique form-fit-function designs bring unique solutions to those difficult engineering and manufacturing challenges.

Look to KRYTAR to take the complexity out of your challenges with unique mechanical and electrical solutions utilizing our proprietary computer-aided-engineering (CAE) design tools.





1288 Anvilwood Avenue • Sunnyvale, CA 94089  
Toll FREE: +1.877.734.5999 • FAX: +1.408.734.3017  
www.krytar.com • E-mail: sales@krytar.com

## ***A Recognized Leader in Ultra-Broadband, High Performance Components***

### ***Ultra-Broadband Components:***

- ◆ Directional Couplers to 67 GHz
- ◆ Directional Detectors to 50 GHz
- ◆ Dual Directional Couplers to 40 GHz
- ◆ 3 dB 90° Hybrid Couplers to 40 GHz
- ◆ 3 dB 180° Hybrid Couplers to 45 GHz
- ◆ 2/4/8-Way Power Dividers to 45 GHz
- ◆ Zero Bias Schottky Detectors to 40 GHz
- ◆ Planar Doped Barrier Detectors to 40 GHz
- ◆ Coaxial Planar Tunnel Diode Detectors to 18.5 GHz
- ◆ Coaxial Threshold Detectors to 18.5 GHz
- ◆ Coaxial PIN-PIN Diode Limiters to 18 GHz
- ◆ Coaxial PIN-Schottky Diode Limiters to 18 GHz
- ◆ Coaxial Terminations to 50 GHz
- ◆ Coaxial Adapters to 50 GHz
- ◆ Power Meter and Sensors to 40 GHz

### ***Application Expertise:***

- ◆ Test and Measurement Equipment
- ◆ Simulation Systems
- ◆ SATCOM and SOTM
- ◆ Jammers for Radar and IEDs
- ◆ Radar Systems
- ◆ Electronic Warfare: ECM, ECCM, ESM
- ◆ Wireless Communications
- ◆ Industrial, Scientific, and Medical
- ◆ Homeland Security

### ***KRYTAR Solutions:***

- ◆ Over 200 Catalog Products
- ◆ Fast Delivery, IN-STOCK Inventory to 4 Weeks Typical
- ◆ 1 Year Standard Warranty
- ◆ MIL-I-45208 Quality Assurance Program
- ◆ MIL-STD-45662 Calibration System
- ◆ Full Machine Shop Equipped with CNC Lathes and Mills

