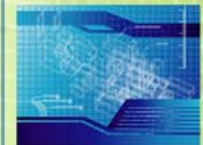
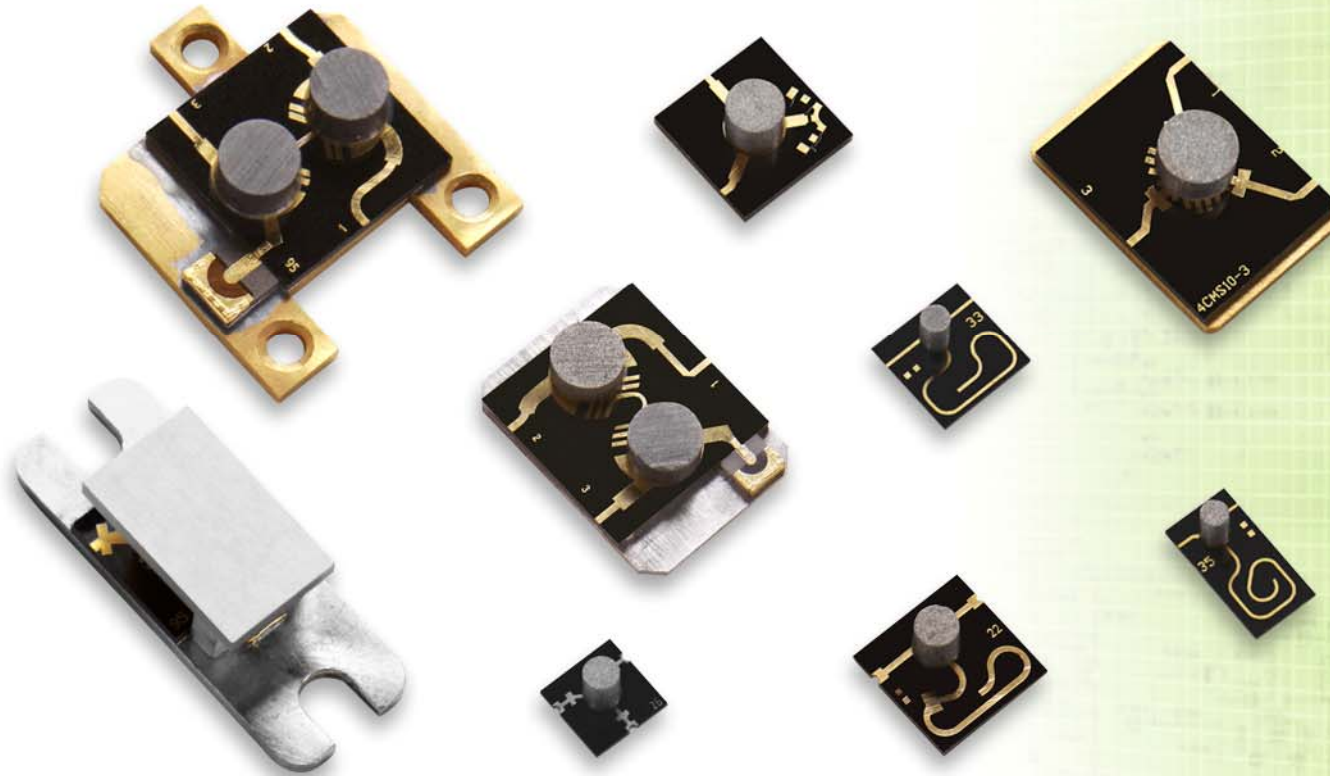
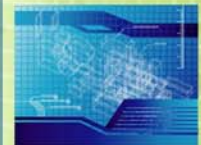


DORADO MICROSTRIP FERRITE DEVICES PRESENTATION



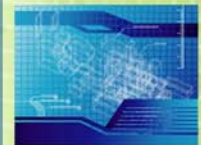
OUTLINE

- Product overview
- Customer's benefits and competitive advantage
- Technology description
- Applications



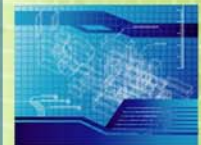
PRODUCT OVERVIEW

- Frequency ranges: 2 to 65 GHz
- Types: Substrate, Carrier, SMT
- Package: Single junction, multiple junctions



CUSTOMER'S BENEFITS & COMPETITIVE ADVANTAGE

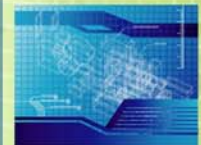
- High performance
- Frequency up to 65 GHz
- Small package/low mass
- Flexible technology, rich design portfolio
- Extensive program heritage
- Competitive price
- Lead free and ROHS compliant



TECHNOLOGY DESCRIPTION



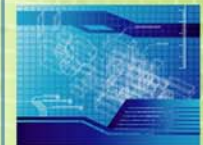
Metal Carrier



TECHNOLOGY DESCRIPTION



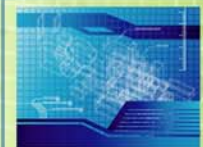
*Ferrite Plate with
thin film metallization*



TECHNOLOGY DESCRIPTION



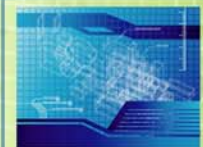
Termination



TECHNOLOGY DESCRIPTION



Magnet



CUSTOMIZATION OF THE MICROSTRIP FERRITE DEVICES

- Input/output port locations

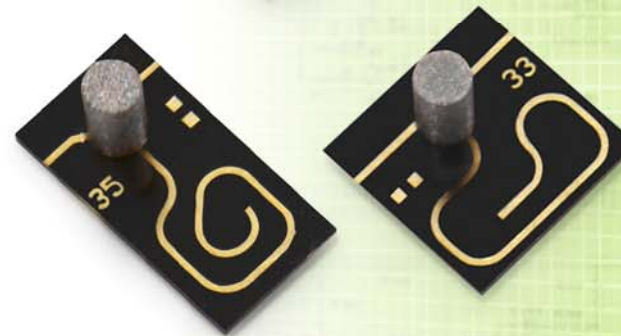


CUSTOMIZATION OF THE MICROSTRIP FERRITE DEVICES

- Input/output port locations

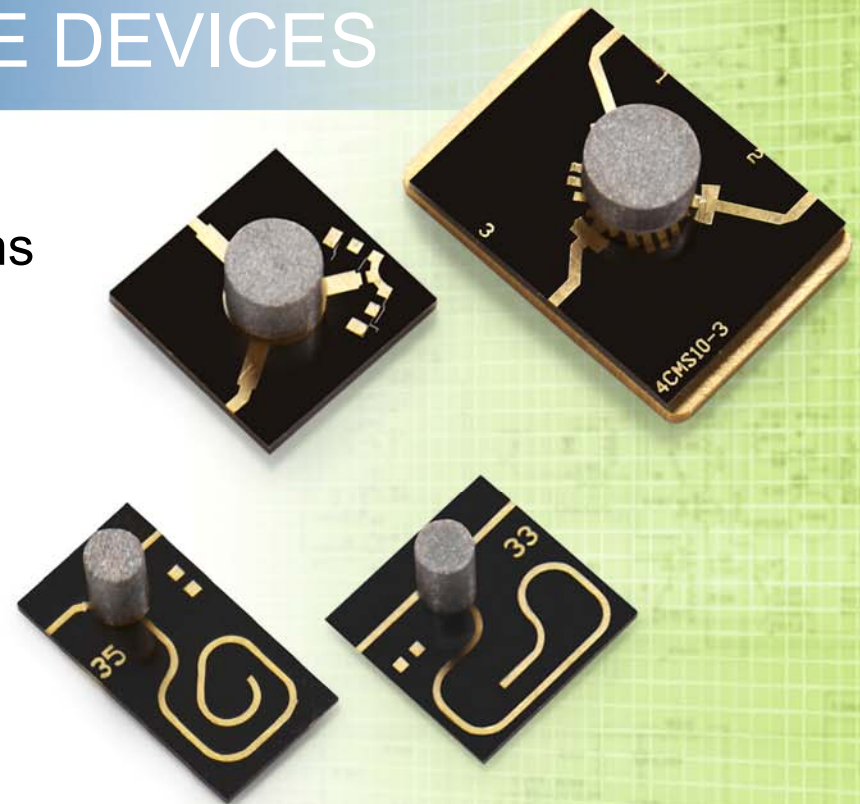


- Physical dimensions



CUSTOMIZATION OF THE MICROSTRIP FERRITE DEVICES

- Input/output port locations
- Physical dimensions
- Electrical specifications



DORADO INTERNATIONAL | MARKETS



MILITARY

*Ideal for
phase array*



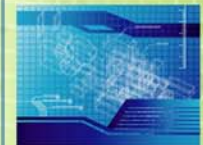
SPACE

*Space
qualified
for hybrid
and MIC
modules*



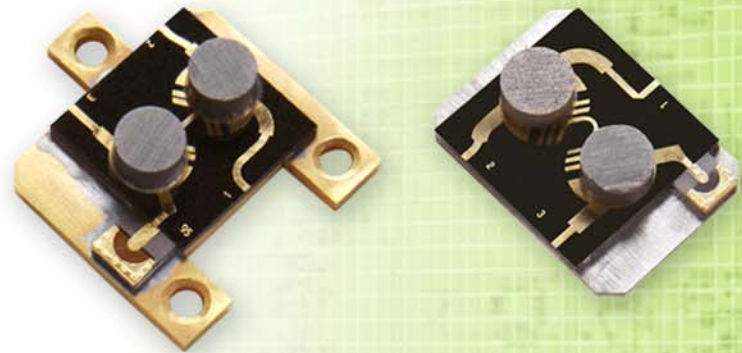
COMMERCIAL

*For front-end
telecommunication
equipment*



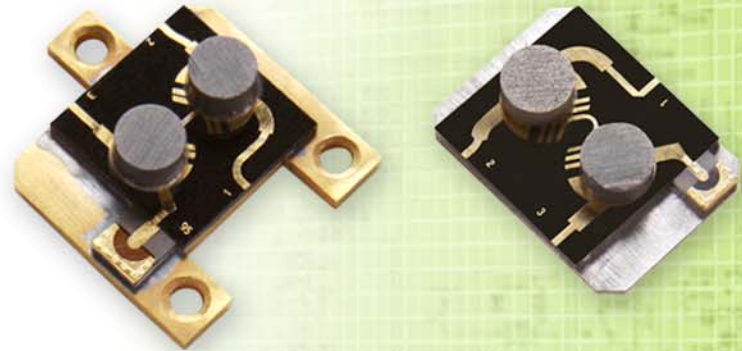
MILITARY APPLICATIONS

- Multiple Junction Devices provide a high isolation between ports

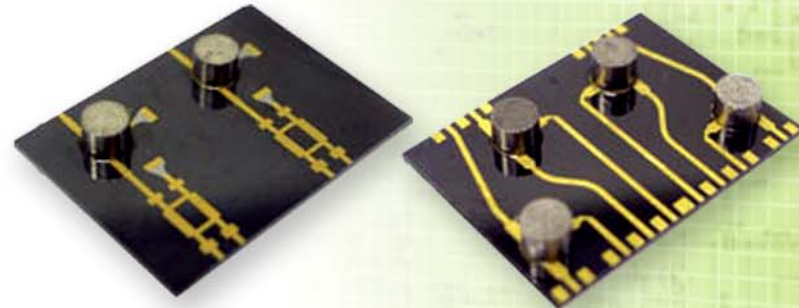


MILITARY APPLICATIONS

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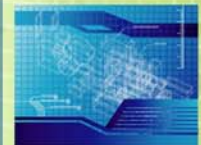
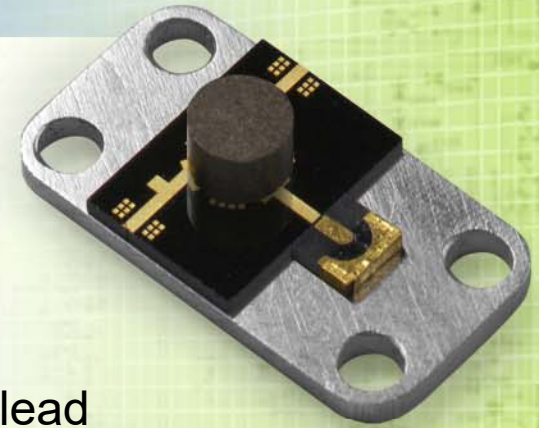


- Assemblies integrated on Ferrite Substrate Devices



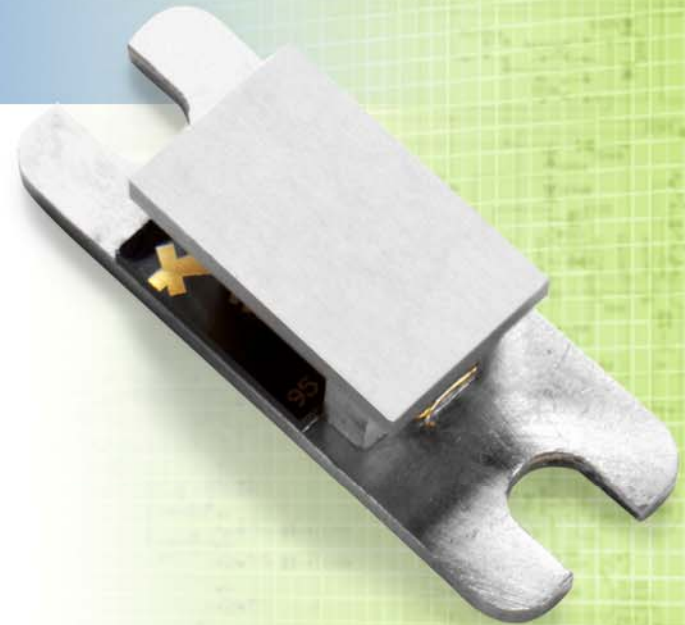
COMMERCIAL APPLICATIONS

- Production capacity – up to 10,000 pieces per month
- Large inventory of standard parts
- Indoor thin film facility provides good lead time for custom design devices
- Complete frequency range from 2 to 64 GHz
- Flexible technology, rich design portfolio
- Lead free and ROHS compliant



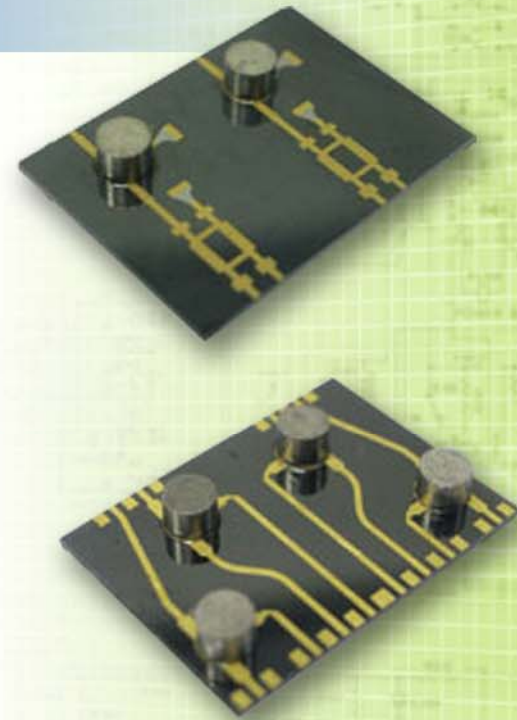
SPACE APPLICATIONS

- Magnetically shielded
- Broadband
- High performance



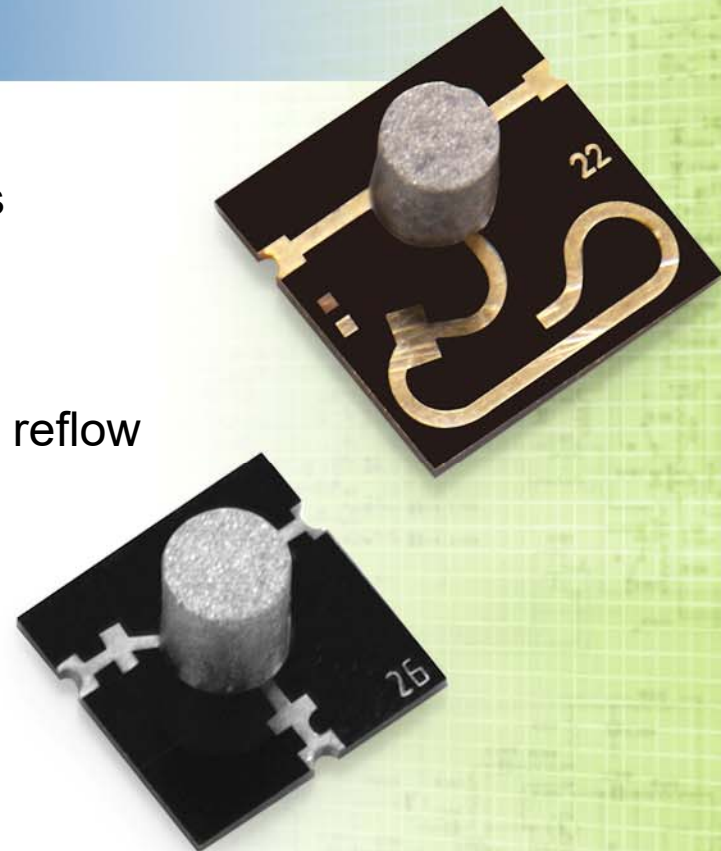
INTEGRATED ASSEMBLIES

- Dorado specializes in design and manufacture of integrated assemblies
- Integrated assemblies may include Ferrite devices, switches, hybrids, limiters, couplers, filters



SURFACE MOUNT ISOLATORS & CIRCULATORS

- Ideal for WiFi applications
- Low profile, low mass
- Designed for pick & place reflow automated assembly
- Lead free and RHOS compliant
- Frequency up to 40GHz



PRODUCTION FACILITY

- Ceramic grinding facility
- Thin film facility
- Tuning and testing area

