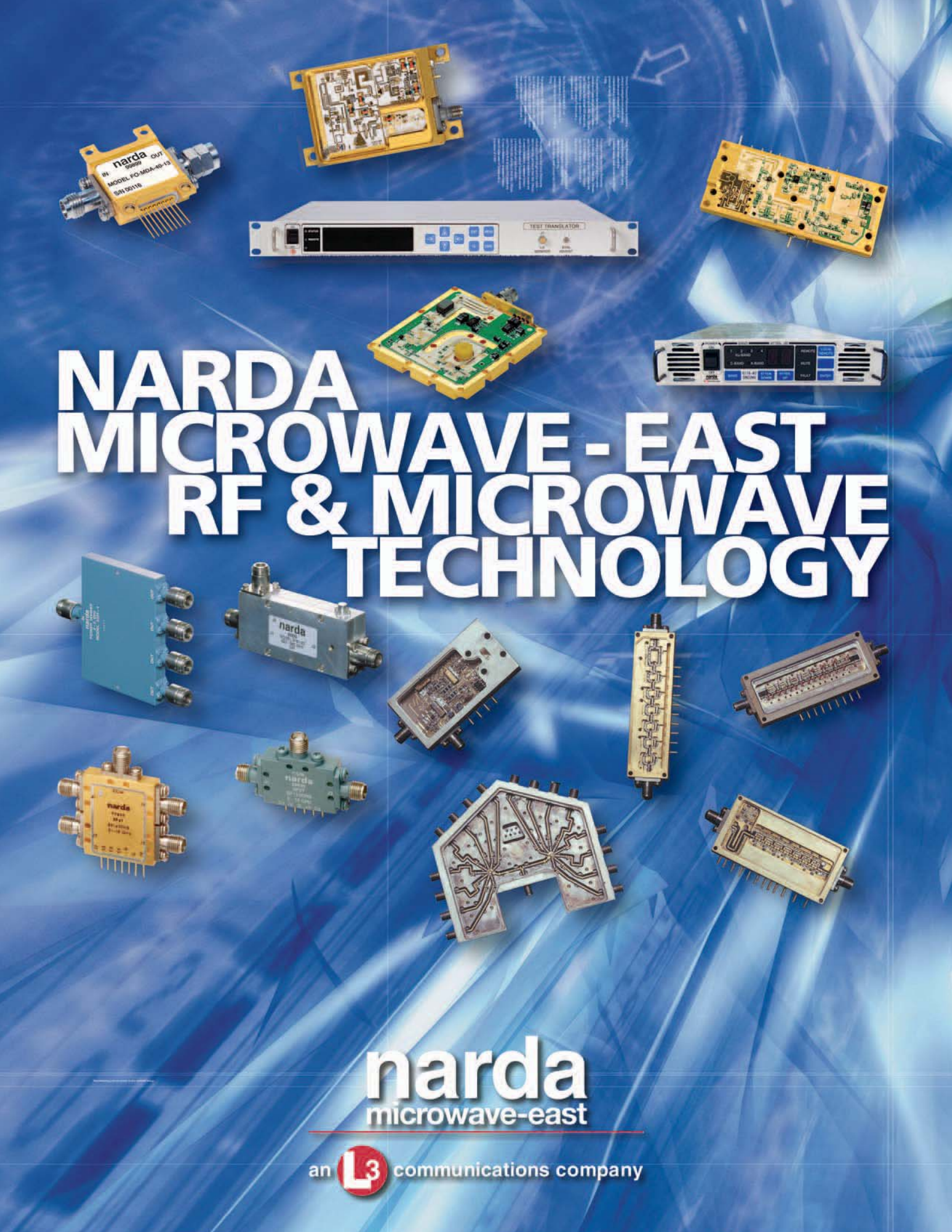




NARDA MICROWAVE-EAST RF & MICROWAVE TECHNOLOGY

narda
microwave-east

an  communications company

ABOUT

NARDA MICROWAVE-EAST



Narda Microwave-East, an L3 Communications Company, is part of a \$12 billion electronics company serving the military and commercial communication markets. For over 50 years, Narda has developed and manufactured state-of-the-art RF and microwave components, MICs, multi-functional assemblies, and subsystems. The company has been a technology leader offering advanced products in the frequency range from DC to 60 GHz for both commercial and military applications.

Many of the company's products are detailed in its catalog and are available from stock. The company maintains the world's largest inventory of RF and microwave components. These products include couplers, power dividers, attenuators, RF switches, power monitors, and more. Narda also offers multi-functional microwave integrated circuits and subassemblies which integrate and combine active and passive components. These products are typically custom designs for specific customer requirements and include switches, oscillators, synthesizers and amplifiers.

Today, the Narda brand also includes fiber optic modulator drivers and oscillators for OC-192 and OC-768 applications, up/down satellite converters and RF safety products. With a 155,000 sq. ft. plant and a team of dedicated engineering, design and production people, Narda is ready to address your needs for high performance products. Our industry knowledge combined with superior engineering and manufacturing capabilities is your assurance of optimum product solutions.

Passive Components

- Couplers
- Power Dividers
- Attenuators
- Adaptors
- Custom Passive Components

Active Components

- Pin Diode Switches
- Frequency Sources
- Switch Filter Banks
- Multi-function Assemblies / MICs

Mechanical Switches

- SEM (Stocked) Switches
- Standard Custom Switches

Fiber Optic Components

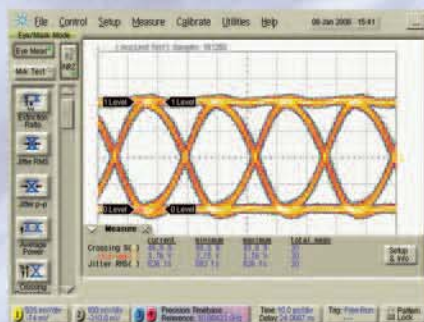
- LN Modulator Drivers
- Clock Oscillators
- Clock Amplifiers
- Custom Components

ADVANCED DESIGN & MANUFACTURING TECHNOLOGY

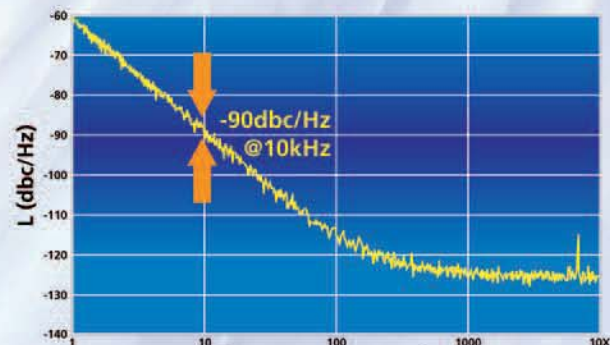


For Today's & Tomorrow's Applications

- Latest microwave design & simulation tools
- Surface mount packaging (SMD)
- Covering all bands Ka, Q-Band, W-band & beyond
- Proven production capability



Low Jitter at 43 Gb/s Data Rates

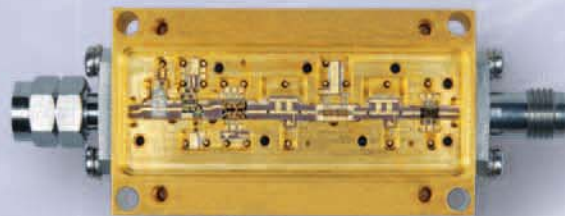


Offset Frequency (kHz)
Low Phase Noise @ 43 GHz

ADVANCED PRODUCTS

Fiber Optic Products

- For OC-192 and OC-768 applications
- Data drivers for EA and LN modulators
- Clock drivers
- Phase-locked clocks



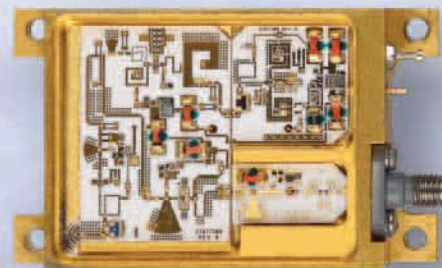
43 Gb/s Clock Driver



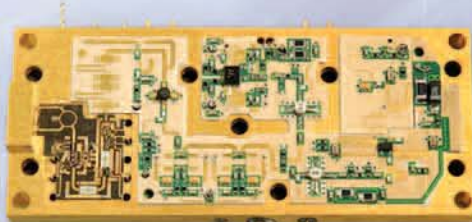
**43 Gb/s EA & LN
Modulator Drivers**

Frequency Sources

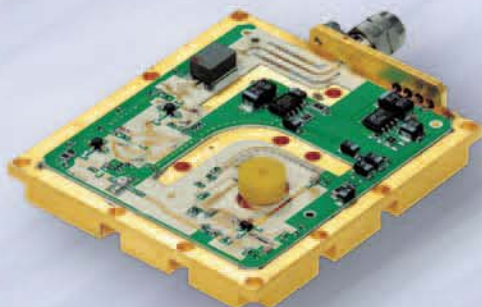
- Frequencies to 44 GHz
- Voltage tuned and phase-locked dros
- Frequency synthesizers
- Phase-locked oscillator
- Comb generators



**Broadband
Comb Generator**



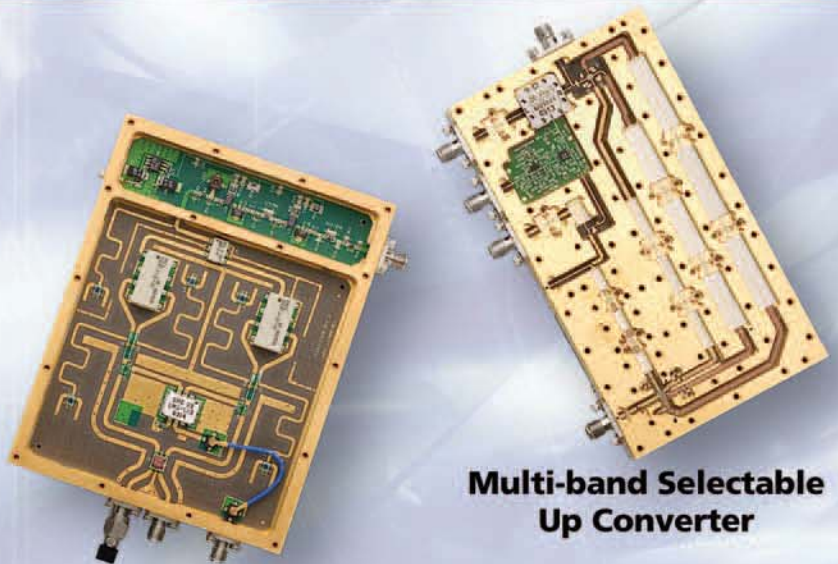
**Phase-locked
Oscillators**



Clock Oscillators

Multi-functional MICs

- Frequencies to 44 GHz
- Receivers
- Up/down converter modules
- LNAs
- Switched filter banks



**70 MHz to L Band
Single Sideband Mixer**

**Multi-band Selectable
Up Converter**

SATCOM Products

- Products for all bands
C, X, Ku, DBS, Ka, Q, W
- Commercial up/down converters
- Multi-band converters
- Test loop translators
- Transceivers
- LNAs



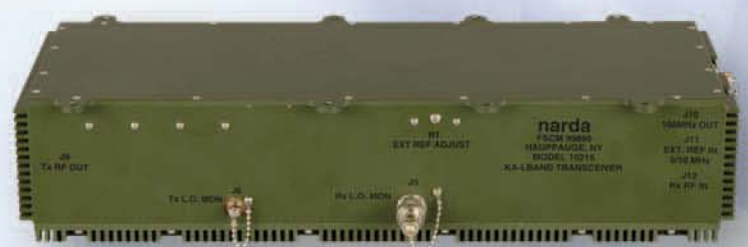
**Quad Band
Block Converter
C, X, Ku, Ka Bands**



**SATCOM Up/Down Converters
C, X, Ku, DBS, Ka Bands**



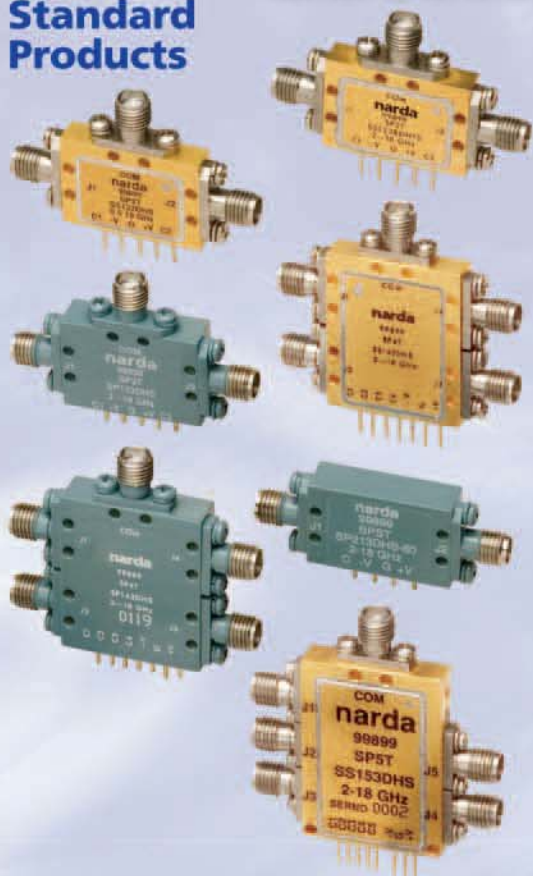
Low Noise Amplifiers



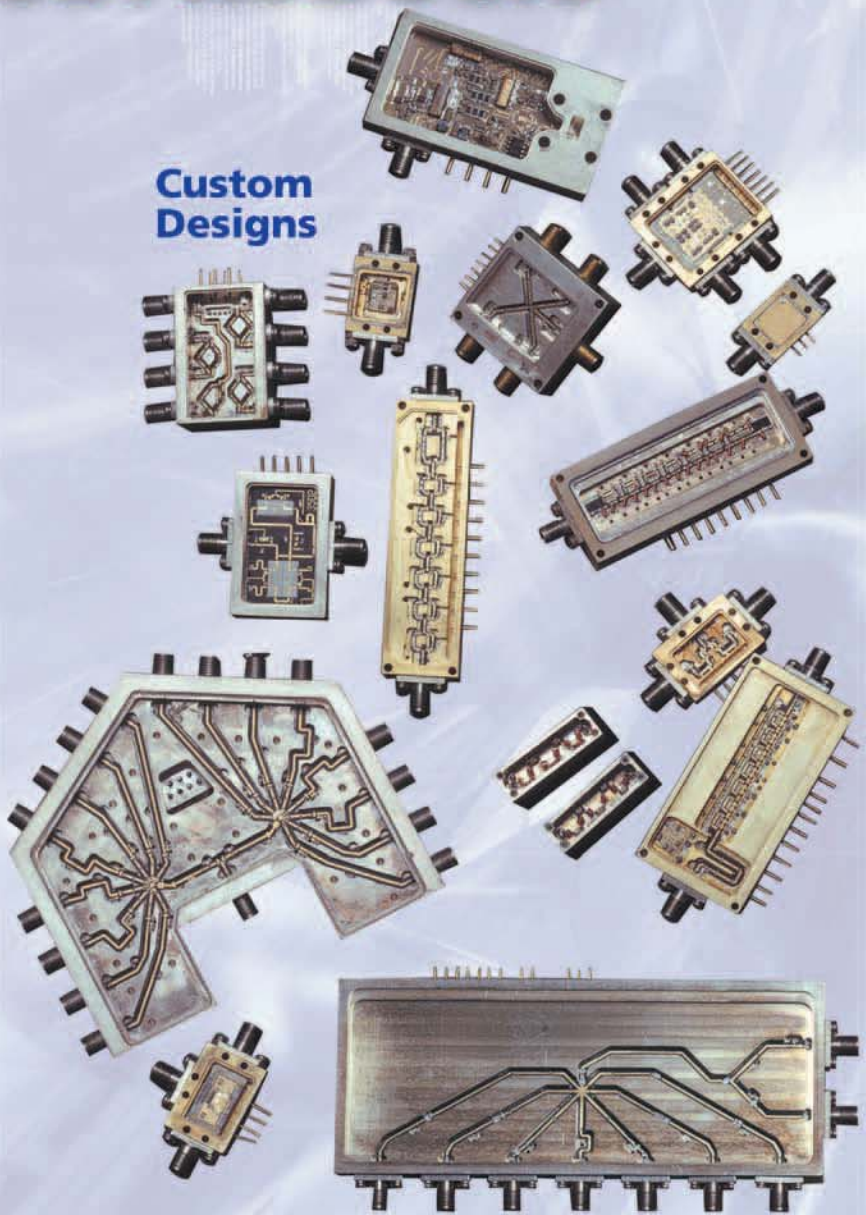
Outdoor Ka Band Transceivers

PIN DIODE CONTROL PRODUCTS

Standard Products



Custom Designs



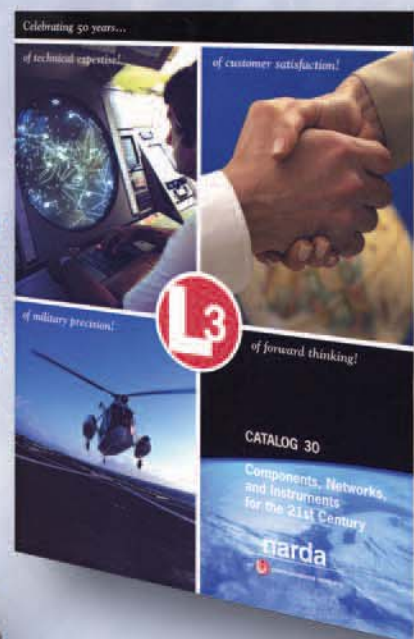
- Multi-port switching assemblies
- Switched attenuators
- Digital phase shifters
- Standard PIN switches
- Custom designs

CATALOG PRODUCTS

On Line – Access Our Products at
www.nardamicrowave.com



At Your Desk – Use
the Industry's Most
Comprehensive
Reference Product
Catalog



Catalog Products

- Couplers
- Power dividers
- Attenuators
- Terminations
- Electromechanical switches
- PIN switches and control products



Most Products
IN STOCK
For Immediate Delivery

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