

**A.U.  TECH**

5.2011

# Presentation Overview

- **Company overview**
- Work Scope
- Processes
- Systems examples
- Subassemblies examples
- Filters (expertise)
- Conclusion

# Company Profile

- Founded 2006 (2003 as CellDor) by Aharon Feigelstein (now CEO)
- Located in Petach Tikva, Israel
- A.Uvitech Ltd. designs, develops and manufactures state-of-the-art technical solutions in the RF and microwave frequency range
- We deliver turn-key projects, manufacturing-file – according to customer preference

## Goal

- To become the leading subcontractor in the RF & Microwave fields for the defense market

## Focus

- We are focused on highest-level quality and excellent service delivery while remaining cost effective

# Major Customers



Potential customers – Mabat, Tadiran, Rafael, MOD...

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# Work Scope

1. Built To Spec. – Design and production of RF & microwave systems & components
2. Built To Print – Subcontractor for RF & microwave components, modules, subassemblies and system integration
3. Maintenance & repair services

# Work Scope (2)

SERVICES	B.T.P.	B.T.S.	REPAIR
Design		✓	
Purchasing	✓	✓	
Assembly	✓	✓	✓
Tuning	✓	✓	✓
Screening	✓	✓	✓
Testing	✓	✓	✓
Qualification		✓	
Sealing	✓	✓	✓
Finish	✓	✓	✓
ATP&ATR	✓	✓	✓
Engineering Support	✓		✓



# Work Scope (3)

## Sub-systems & systems

SW. Bank Filters

Tx/Rx Modules

Supercomponents

Up & Down Converters

Subassemblies

Systems Integration



## Components

Filters

Multiplexers

Amplifiers LNA & HPA

Multipliers

Power Dividers & Couplers

Pin Diode Control Devices

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# Manufacturing Capabilities

- Flexible Production Lines, capable of manufacturing in high volume
- Manual and Automatic RF test systems
- ERP including Purchasing and Subcontractors management
- Prototypes for Engineering Evaluation
- Turn Key Projects
- Outsourcing – using qualified Sub-Contractors

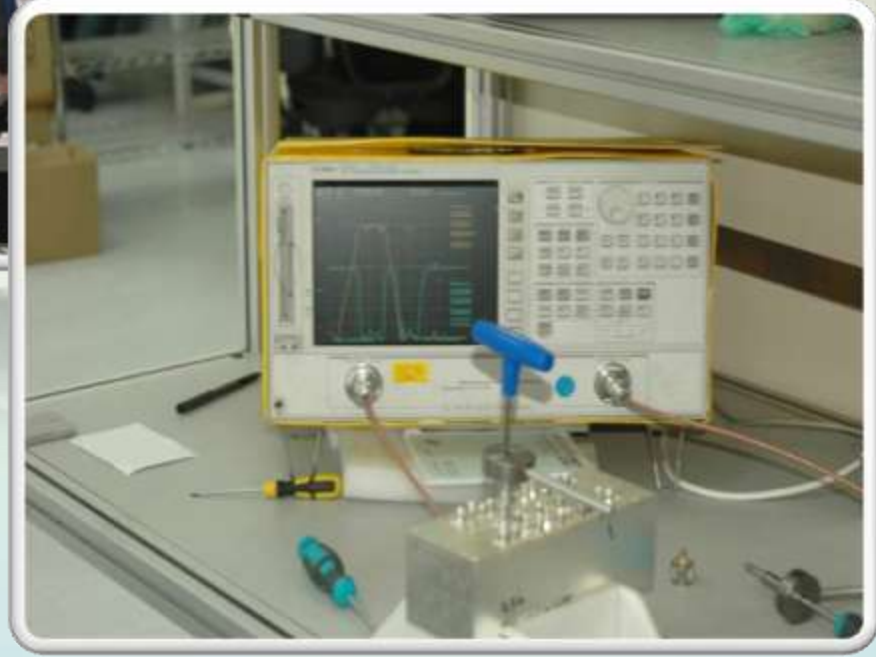
# Design and Engineering Capabilities

- Filters , Switched bank of Filters & Multiplexers
- Multifunction Assemblies
- Subassemblies
- Systems Integration

# ISO 9001:2000 Quality Management System



# Tuning & Testing



# System Automatic Testing



# Assembly





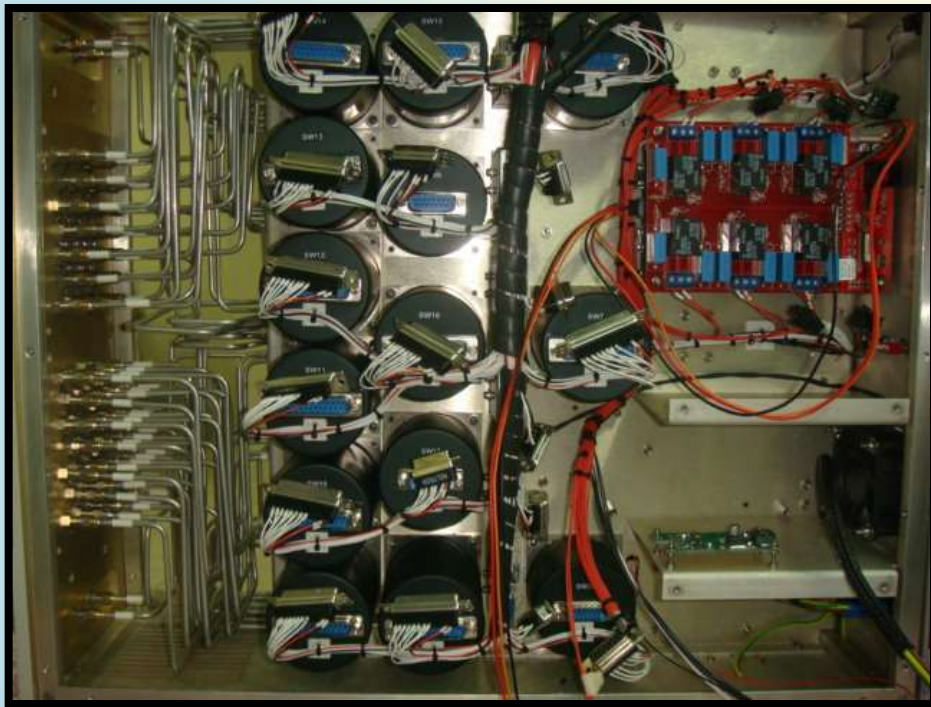
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# Systems

- Communication Repeaters & T.T.A's Design, Production and Integration
- Power Amplification Systems
- Switched Bank of Filters
- T/R Subassemblies
- RF and Microwave Channels & Systems

# RF Drawer



# Cellular Repeaters



**Mini Repeater**

8/5/2011



**Dual Repeater**



**Micro Repeater**

# Repeaters



Dual Band Repeater  
800/1800 MHz

Step Attenuator Unit



# Digital controlled repeater for subway tunnels



# Various systems



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# Various subassemblies



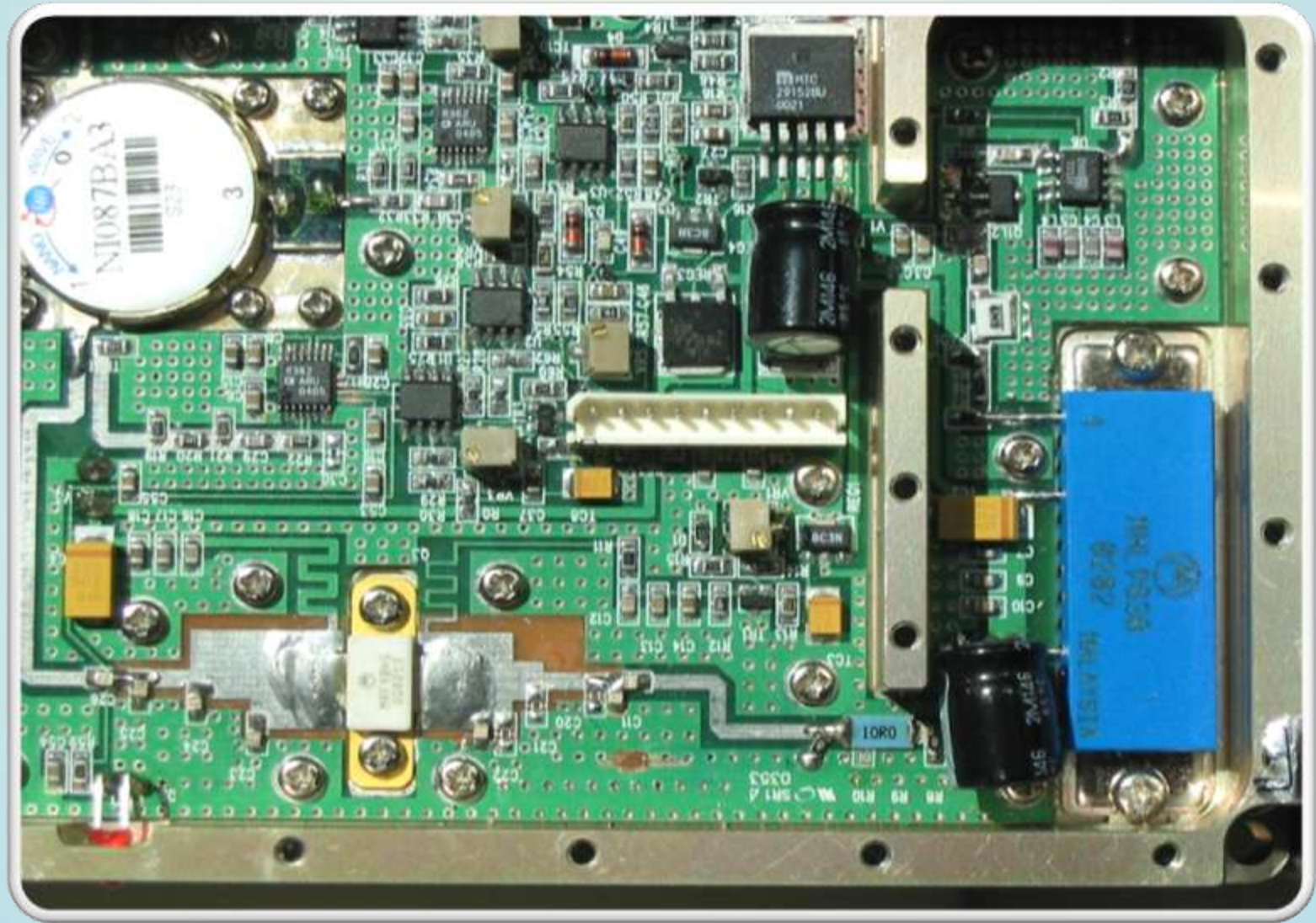
# Amplifiers

- Narrow Band and Wide Band LNA
- Class A and AB Medium and Power Amplifiers
- 20 dBm, 1,2,10,16,25,50 Watts
- 1 MHz to 2500 MHz
- Narrow Band for Communication and Commercial Systems, and Wide Band for Military Systems

# Power Amplifier 1800MHz/25W



# Power Amplifier 25W



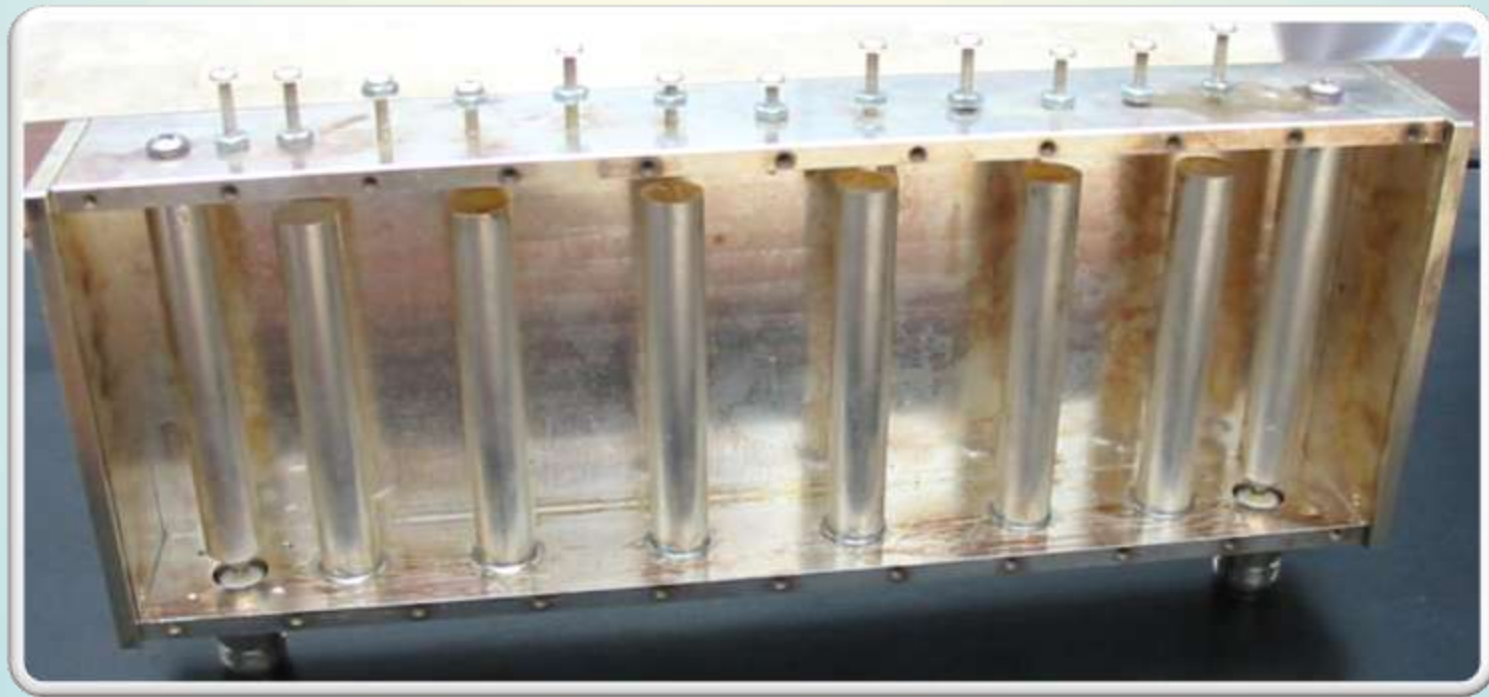
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# Filters Technologies

- Lumped elements – standard and miniature
- Cavity Filters- standard and miniature
- Compline Filters
- Interdigital Filters
- Suspended Filters & Multiplexers

# Cavity Band-Pass Filter 824-839 MHz



UV2200-8-831.5/15-NF-NF

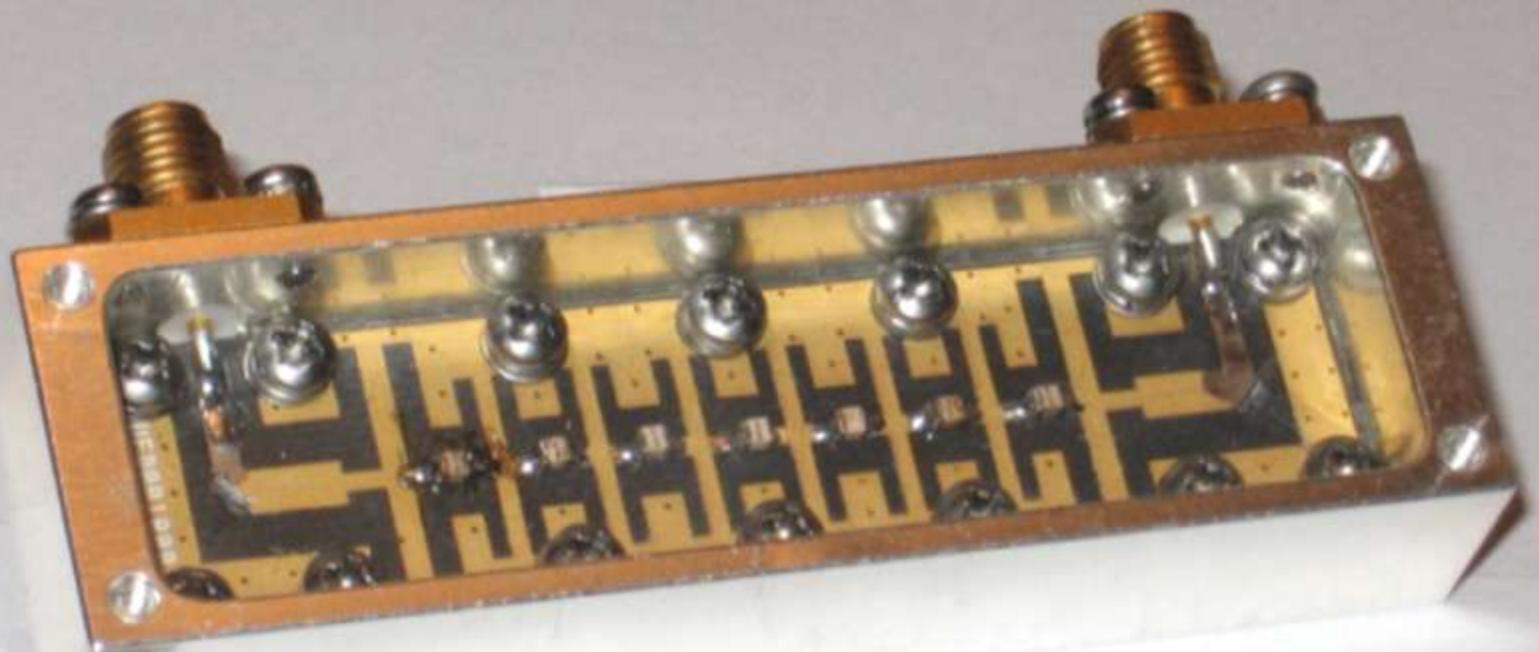
# Band-pass filter for X-band

## Bandwidth: 500 MHz

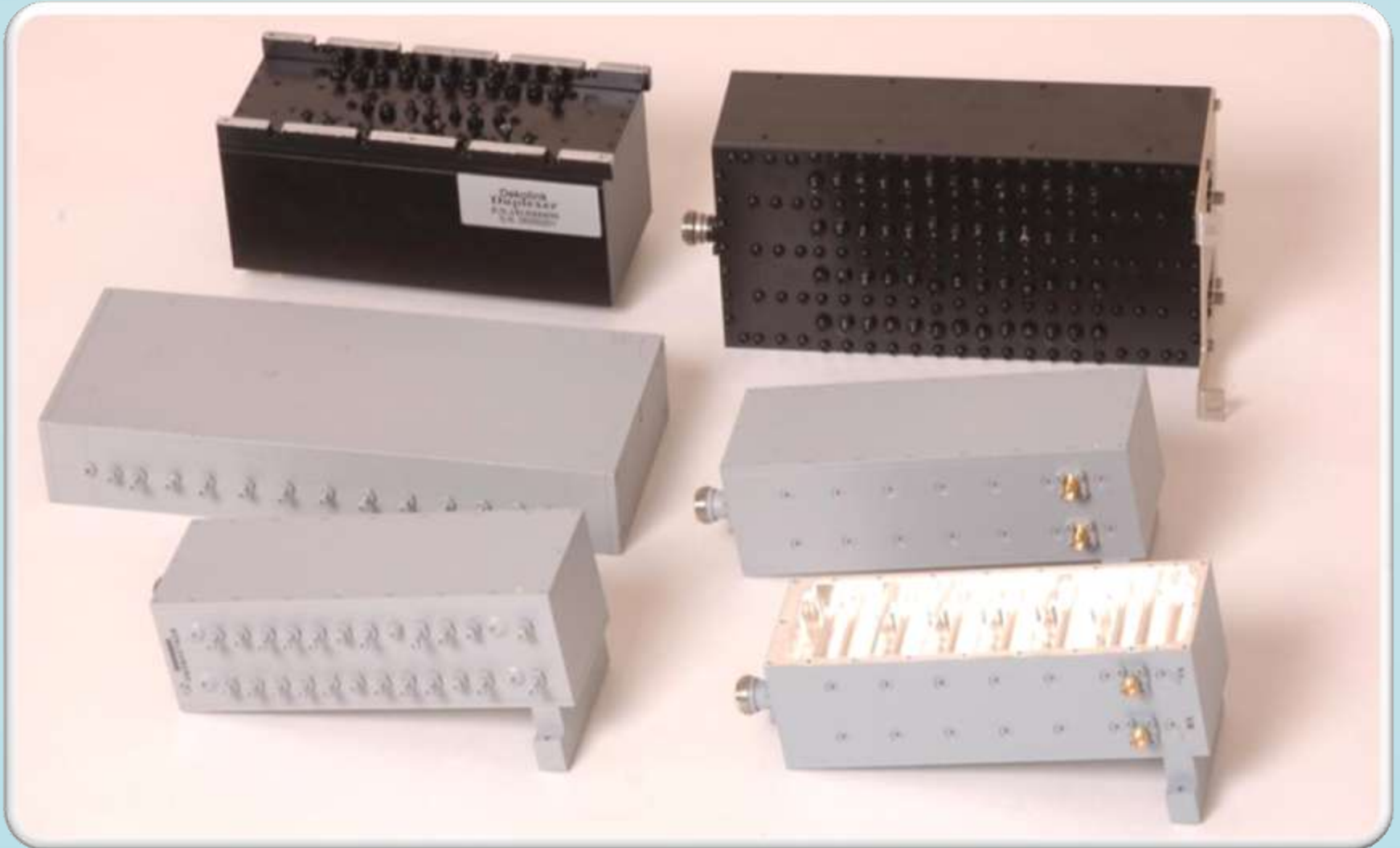




# High-pass filter 4.5 GHz



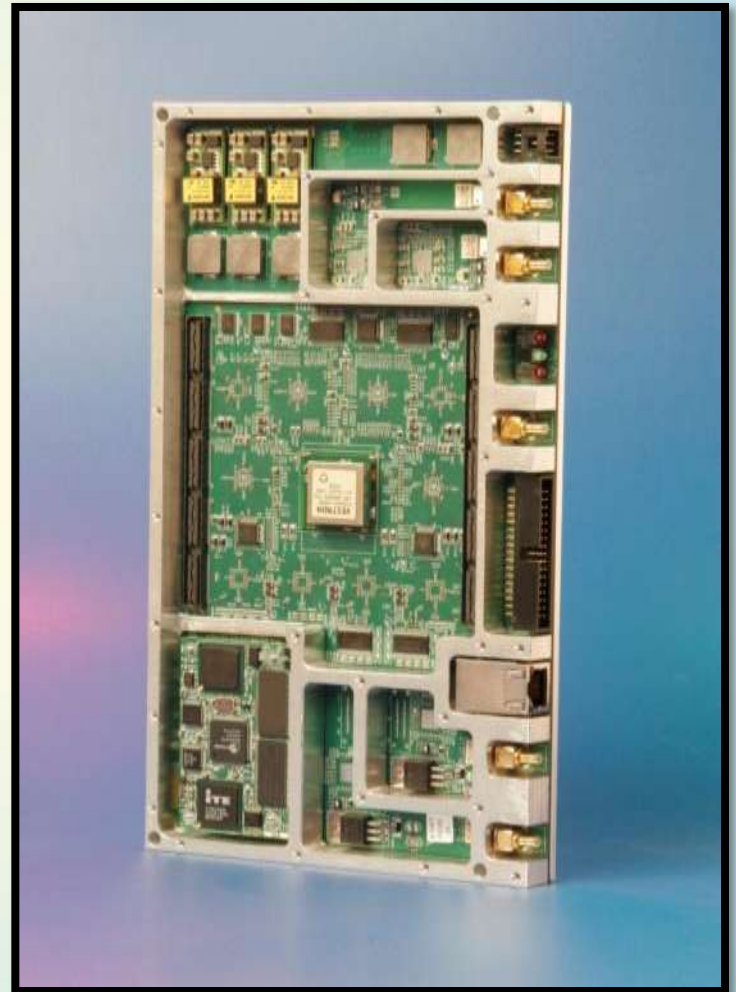
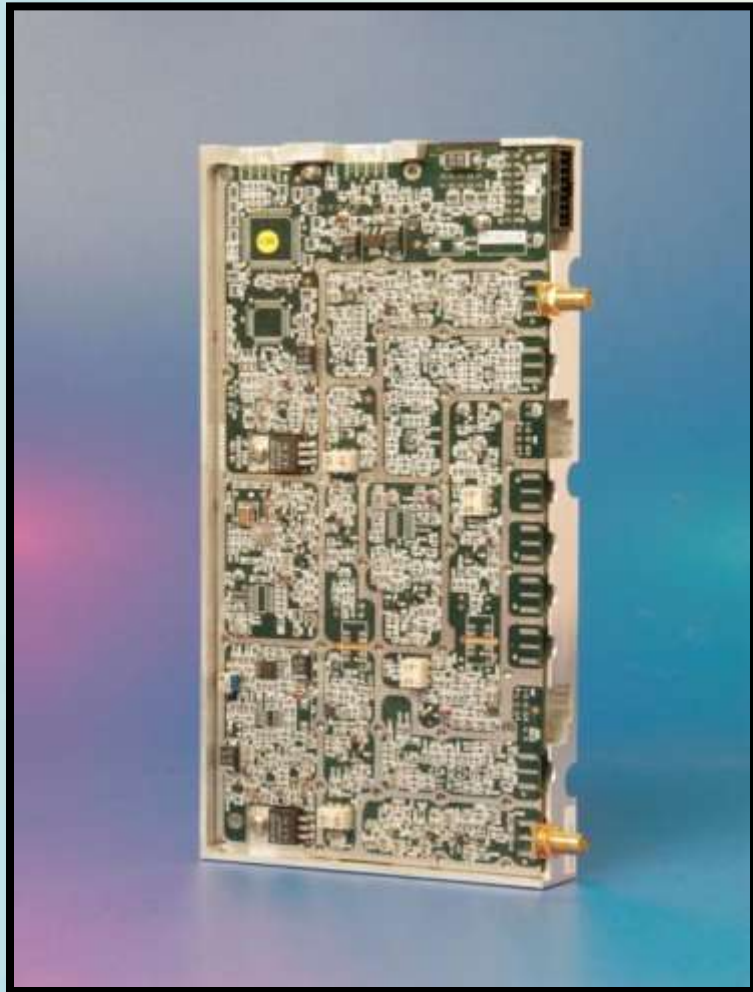
# Diplexers



# HF/VHF-UHF Diplexer



# Multifunction assemblies



8/9/2011 **Up/Down Converter Unit**

**Digital Filter Unit**

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## Conclusion

- A.Uvitech is a dynamic, growing company
- A.Uvitech has both **engineering** and **manufacturing** capabilities and experience in **defense-market** standards
- We are an approved MOD supplier for over 4 years
- A.Uvitech is experienced at working with companies abroad, including knowledge-transfer projects
- A.Uvitech is an excellent solution for end-user problems

**A.Uvitech would like to build a long-lasting, strong partnership with key players in the RF & Microwave industry**

# Questions

