

## 60+ Years of Historical Milestones

1950

**August 1950**  
Microwave Associates is founded in a loft in Boston, Massachusetts with \$10,000 in capital.



One of Microwave Associates' first products is a magnetron, a key component for microwave radar. Its development is an important factor in the evolution of the microwave industry in the U.S.



Throughout the 60s (and the 50s as well), Microwave Associates produces microwave components used as building blocks for radar, missile and communications equipment on the Polaris submarine, B-52 bomber, Mariner II Venus Probe, and the Telstar satellite.



**1957**  
Successful IPO – Microwave Associates goes public with first stock offering, with the stock price increasing in 1.5 years from \$7/share to \$30/share.

**March 6, 1959**

Pioneer IV, the first U.S. spacecraft placed in solar orbit, carries a parametric amplifier employing a Microwave Associates varactor with a noise figure of 1 dB.



1960



**1962**  
Microwave Associates goes international, opening Microwave Associates, Ltd. in Dunstable, England, to meet the needs of the emerging microwave market in Europe.



**1968**  
Microwave Associates expands its product offering to communications and broadcast industries. Microwave Associates equipment brings the Mexico City Summer Olympic games, as well as political conventions, to households across the U.S.

1970



**1970**  
Microwave Associates positions itself for growth by replacing vacuum tubes with semiconductors in microwave applications.

**1976**  
Microwave Associates develops and patents the first high power S-band phase shifter which is used in the Nike X phased array missile site radar.



Microwave Associates develops the first high power PIN diodes that are fundamental to the success of high power phase shifters and control components used throughout the military industry. Microwave Associates becomes a leading supplier of high quality PIN diodes.

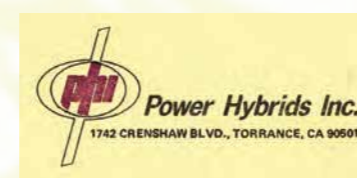
**1978**  
Following several acquisitions, Microwave Associates changes its name to M/A-COM, Inc. to reflect the growing part RF and microwave communications would play in its future.



**1979**  
M/A-COM, Inc. becomes the first domestic supplier of semi-insulating GaAs and among the top five world suppliers for nearly 20 years.

1980

**1981**  
M/A-COM, Inc. acquires Power Hybrids Incorporated, a technical leader in the RF power semiconductor industry for applications such as commercial air traffic control systems and cellular radar markets, avionics, and navigational measuring equipment.



**1984**  
M/A-COM, Inc. establishes the Advanced Semiconductor Operation in Lowell, Massachusetts. Employees refer to this building as The Walker Building in honor of key technologist and co-founder Richard M. Walker.

**1985**  
M/A-COM, Inc. becomes a Fortune 500 company.



**1988**  
M/A-COM, Inc. establishes outsourced manufacturing presence in China.

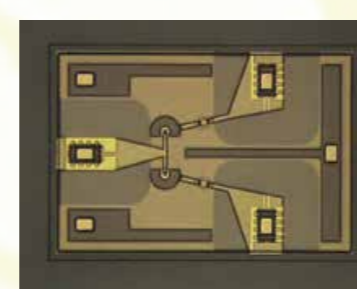


**1989**  
M/A-COM, Inc. bolsters its product portfolio by acquiring Adams-Russell Electronics, a leading manufacturer of components, subassemblies and systems.

1990



**1991**  
M/A-COM, Inc. develops the first GaAs RFIC for handset applications. This T/R SPDT switch is the genesis of a long standing history of revolutionary switch products still being developed today.



**1994**  
The company introduces Heterolithic Microwave Integrated Circuit (HMIC)—a revolutionary MW and mmW IC topology that creates three-dimensional structures based upon a marriage of silicon and glass at a waferscale level. This state-of-the-art process has and continues to demonstrate the ability to produce high performance MMICs, ranging from HMIC double balanced mixers to multi-hundred watt monolithic switches—for cellular, basestation, and military communications markets.

**1995**  
M/A-COM, Inc. is acquired by AMP Incorporated. AMP retains M/A-COM brand.

**1995**  
All M/A-COM, Inc. facilities are certified to ISO9000:2008.



**1999**  
Tyco International Ltd. acquires AMP Incorporated.



**2009**  
John Ocampo, industry veteran and entrepreneur, acquires M/A-COM Tech from Cobham plc and sets a course for industry leadership.

2000

**2000**  
Stellex/Phoenix Microwave acquired, enabling M/A-COM to supply key components for radar and jammers.



**2001**  
M/A-COM supplies 500 working radios within a 20-hour window after receiving the call for help from first responders supporting recovery efforts following the 9/11 terrorist attacks on the World Trade Center.



**2005**  
M/A-COM is first with a patented new filter technology for high performance CATV infrastructure systems that set the tone for this booming business.



**2008**  
Cobham plc acquires M/A-COM's RF components and microwave subsystems business from Tyco Electronics, and consolidates the components business assets in newly-formed M/A-COM Technology Solutions Inc.



**2008**  
M/A-COM Tech goes back to its roots, using the essence of the first innovations and building on those, with aerospace and defense, CATV/broadcast, test and instrumentation, and point-to-point.

**2008**  
M/A-COM Tech starts production on a patented GPS module that includes an antenna, GPS engine, microprocessor and a CAN transceiver along with three levels of software. This device is used in Ford's SYNC® system.

2010

**2010**  
M/A-COM Tech acquires Mimix Broadband, a fabless supplier of high performance GaAs semiconductors from DC to 50 GHz for RF, microwave and millimeter-wave applications.



**2011**  
M/A-COM Tech acquires Optomai Inc., a fabless semiconductor company that developed integrated circuits and modules for next-generation 40- and 100-Gbps fiber optic networks.



**2012**  
M/A-COM Technology Solutions Holdings Inc. announces its Board of Directors has promoted company President, John Croteau, to the position of Chief Executive Officer.

**2013**  
MACOM licenses GaN technology, offering industry first dual source of critical emerging technology.

**MINDSPEED®**  
2013  
Mindspeed Technologies, Inc., a leading supplier of semiconductor solutions for communications infrastructure applications, is acquired.

**2014**  
Nitronex, LLC acquired, adding GaN-on-Silicon to MACOM's process and product portfolio.



**2014**  
MACOM acquires optical IC design house Photonic Controls, LLC, adding silicon photonics expertise to its portfolio.



**2014**  
IKE Micro is acquired by MACOM, providing customers with complete turnkey solutions for small to mid-sized production runs with best in class, build-to-print manufacturing of microelectronics and microwave assemblies.



**2014**  
MACOM announces the acquisition of BinOptics Corporation, a leading supplier of Indium Phosphide lasers for data centers mobile backhaul, silicon photonics, and access networks.



**2015**  
MACOM divests Automotive business to Autoliv ASP Inc. (Autoliv), "realizing MACOM's full potential as a pure play high-performance analog semiconductor company."

**2015**  
MACOM expands optical communications capability through acquisition of FiBest Limited, Japan-based component supplier of optical subassemblies.



**2015**  
MACOM acquires 100% of AeroFlex diode business from Cobham, further extending "leading position in high-performance diodes."



MACOM is driven and committed to your ongoing success now and for years to come...