

International Rectifier

International Rectifier Corporation an Infineon Technologies Company



Former type	Public
Industry	Semiconductor Integrated Circuits
Fate	Acquired by Infineon Technologies
Founded	1947; 73 years ago
Defunct	2014
Headquarters	 El Segundo, California
Key people	Eric Lidow, Founder Robert LeFort, President
Revenue	US\$1.1 billion (June 2014) ^[1]
Number of employees	40,100 (September 2018) ^[1]
Parent	Infineon Technologies
Website	www.irf.com

International Rectifier was an American power management technology company manufacturing analog and mixed-signal ICs, advanced circuit devices, integrated power systems, and high-performance integrated components for computing. On 13 January 2015, the company became a part of [Infineon Technologies](#).^[1]

IR's products, as a part of Infineon Technologies' overall semiconductor portfolio, continue to be used in many applications including lighting, automobile, satellite, aircraft, and defense systems; as well as key components in power supply systems in electronics-based products that include especially microcomputers, servers, networking and telecommunications equipment.



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History

- 1954: commercialization of germanium rectifiers
- 1959: creation of the first silicon-based rectifier
- 1974: first power and [Darlington](#) transistors which used glass passivation

- 1979: first hexagonal [power MOSFET](#)
- 1983: first intelligent power ICs
- 1983: lost a patent infringement lawsuit over the rights to [doxycycline](#) to [Pfizer, Inc.](#), resulting in a judgment of \$55 million to Pfizer. To avoid bankruptcy, the International Rectifier gave Pfizer its animal health and feed additive businesses.^{[2][3]}
- 2000: developed FlipFET wafer packaging
- 2002: developed DirectFET, a MOSFET packaging technology developed to address thermal limitations found in advanced computing, consumer and communications applications
- 2003: developed iMOTION Integrated Design Platform for motor control applications
- 2006: introduced SmartRectifier IC for AC/DC applications
- 2007: launched SupIRBuck integrated voltage regulators
- 2008: introduced revolutionary GaN-based power device platform
- 2011: introduced PowIRstage devices and CHiL digital controllers
- 2012: launched micro integrated power modules for motor control applications and COOLiRIGBTs for automotive.
- 2014: bought by [Infineon Technologies](#) for \$3 billion.^[4]
- 2015: officially becomes a part of Infineon Technologies

Manufacturing

International Rectifier also has wafer fabrication and assembly facilities around the world. The locations include:

- [El Segundo, California](#)
- [Temecula, California](#)
- [Leominster, Massachusetts](#)
- [Mesa, Arizona](#)
- [San Jose, California](#)
- [Newport, Wales](#)
- [Tijuana, Mexico](#)