

Richard A. Keller
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RESUME

EDUCATION:

MSEE University of Santa Clara 1978
BSEE California State Polytechnic University, Pomona Campus 1968
Graduate work for MBA

EXPERIENCE:

Richard A. Keller, Inc. 1995 to present. Power Electronics Consulting.

Projects Include: Power Supply and Power System design for Optical networking equipment in a central office environment, Power Line communications equipment for use in building and factory automation, Data processing equipment, Cable Modem. Design using high voltage power integrated circuits for off line applications, synchronous DC/DC converter integrated circuits, digital control power integrated circuits, as well as discrete circuit design.

Personal Computer Power Supply evaluation for print server application.
Failure mode analysis of power supply used in redundant nonstop computing network.

Power Integrations 1990 to 1995. Senior Applications Engineer. Guided product definition of Off Line "Smart Power" integrated circuit for 100 kHz through 1MHz Power supply. Wrote power supply related technical literature for product introduction. Designed full demonstration power supply Assisted customer development of AC adapters for Apple Newton, Panasonic Camcorder, and Sega 64 bit game 1994.

WYSE 1988 to 1990, Development Engineer. Designed a 700 watt computer power supply @ 2 W/cubic inch.

ROLM 1980 to 1988, Manager of Power & Mechanical Engineering, Mil-Spec Computer Division. Developed power supply design group. Personally responsible for development of 300-800 watt computer power supply with unity power factor front end and 100% battery backup, 110/220V & 28V.

Modular Devices 1978 to 1980 Engineering Manager. Responsible for development of all switching regulator products and designs. Emphasis on products from 400 watts to 1 KW "off line" source.

Boschert Inc. 1976 to 1978 R & D Engineering Manager. Responsible for new product development, emphasis on products from 25 watts to 130 watts "off line" source.

Ford-Aerospace 1971 to 1976 Senior Engineer. Responsible for design and modification of high frequency (130 KHz) Spacecraft equipment power supplies packaged with thick film hybrid technology.

Perkin-Elmer 1968 to 1970 Engineer.

PROFESSIONAL BACKGROUND:

Presented a paper at PowerCon 5 - San Francisco "The Off-Line Converter as a Closed Loop System: Loop Design, Measurement and Analysis"

Presented a paper at INTELEC 84 - New Orleans "Unity Power Factor Off-Line Power Supplies"

Article; Electronics Design 24, November 22, 1978. pp.132-138 "Closed Loop Testing and Computer Analysis Aid Design of Control Systems"

U.S. Patent 4,037,271 July 19,1977.
5,245,526 September 14, 1993
5,285,367 February 8, 1994
6,169,681 January 2, 2001