

ABBOTT TECHNOLOGIES IS A LEADING DESIGNER AND MANUFACTURER OF POWER SUPPLIES AND MAGNETICS WITH AN OUTSTANDING REPUTATION FOR RELIABILITY, TECHNICAL INNOVATION, AND SERVICE.

AC-DC DC-DC DC-AC TRANSFORMER INDUCTOR TRU/ATRU EMI FILTER PFC FRONT END

MARKETS

Abbott was originally founded in 1961 for the express purpose of providing quality power conversion products to the Aerospace and Electronics Industries. At the center of this purpose was a philosophy that all our products would be designed with conservative design principles. In a very short time, Abbott became a very large supplier among Aerospace and Defense Companies for their critical applications where failures could not be tolerated.

Abbott's market focus is in aerospace, defense, and transportation. Customers include departments of the U.S. Government, armed forces, and major prime and sub-contractors.

Our products have successfully performed in some of the most demanding applications where unusually high levels of reliability and performance are required.

MARKETS	END EQUIPMENT	TYPICAL SYSTEMS
DEFENSE	AIRCRAFT	WEAPONRY NAVIGATION FLIGHT CONTROLS NIGHT VISION
	MISSILES	GUIDANCE
	RADAR	SURFACE BASE/SHIPBOARD TACTICAL
	NAVAL VESSELS	FIRE CONTROL COMMUNICATIONS
	ARMY VEHICLES	BATTLEFIELD COMPUTER ORDINANCE LOADING
AEROSPACE	SATELLITE AND SPACE SYSTEMS	COMMAND/CONTROL COMMUNICATIONS
TRANSPORTATION	AIRCRAFT	FUEL SYSTEMS FLIGHT CONTROL HYDRAULIC SUPPLY UTILITY ACTUATORS FLIGHT RECORDERS
	RAIL	COMMUNICATION SYSTEMS CONTROLS

EXAMPLE APPLICATIONS SHOWN ABOVE NOT FULLY INCLUSIVE*

PRODUCTS

With an expansive design library and a broad range of ruggedized standard products that are factory configurable and one of the largest lists of QPL (MIL-PRF-27) transformers and inductors, we can support a variety of different applications with **standard, commercial/COTS, modified standard, and fully customized solutions.**

Products are available in different environmental grades and we maintain full control of our configurations throughout program life cycle, building all assemblies in house. We guarantee performance over the full life of a program and do not obsolete products. This also allows us to accommodate requests for modifications to units while minimizing risk and cost.

Published specifications are conservatively advertised as reliability remains our primary objective. Products are designed and tested to meet some of the most demanding operating environments, such as **DO-160G and MIL-STD-810, MIL-STD-704, MIL-STD-1399, MIL-STD-1275, MIL-STD-461, MIL-STD-202, MIL-S-901, MIL-STD-167, and IP65/67.**





CM500 SERIES
500W, MIL-STD-1399, 12-48VDC



E SERIES
400HZ SINGLE PHASE



LDC200 SERIES
200W, MIL-STD-704 (28V), 3.3-28VDC



MODIFIED STANDARD
500W, MODIFIED VME CHASSIS



TR400 MODIFIED STANDARD
400HZ THREE PHASE, SINGLE OUTPUT

AC TO DC POWER SUPPLIES

- 5 to 2500 watts
- Isolated and Non-Isolated
- Single and Three phase inputs
- Power factor corrected
- High efficiency
- MIL-STD-1399, MIL-STD-704 compliant inputs
- MIL-STD-461 EMI compliance
- MIL-STD-810, MIL-STD-167, MIL-S-901 environmental compliance
- Fully conformal-coated and staked assemblies built in house

MODIFIED STANDARD

- **Modify proven designs for your application**
- Form factor – ruggedized, lightweight, open-frame, VME, VITA
- Input Power – single and three-phase
- Output voltage and number of outputs
- Power levels
- BIT functions and remote command/status input/output
- Additional MIL-STD compliances
- Connectors/Terminations

DC TO DC CONVERTERS

- 5 to 2500 watts
- Isolated and Non-Isolated
- Wide range of input/output voltages
- Wide range of form factors
- MIL-STD-704, MIL-STD-1275 compliant inputs
- MIL-STD-461 EMI compliance
- MIL-STD-810, MIL-STD-167, MIL-S-901 environmental compliance
- Fully conformal-coated and staked assemblies built in house

TRANSFORMERS AND INDUCTORS

- Large selection of input and output voltage configurations
- 60hz and 400hz, variable 800hz - 5khz
- Single and Three phase
- Power levels from 1W-100kW
- Toroidal, laminated, ferrite, amorphous cores
- Open and encapsulated/ruggedized constructions
- Large selection of **MIL-PRF-27** qualified units

DC TO AC INVERTERS

- True sine wave output
- Large selection of input and output voltage configurations
- Linear and switching models available
- Various power levels

TRANSFORMER RECTIFIER UNITS

- Isolated and Non-Isolated
- Wide range of input and output voltage configurations
- 60hz and 400hz options available
- Regulated and Non-Regulated
- Power levels from 50W to 60kW
- High MTBF and Low THD
- MIL-STD-1399, MIL-STD-704, DO-160 input compliance
- MIL-STD-461 EMI compliance
- MIL-STD-810, MIL-STD-167, MIL-S-901 environmental compliance

FACILITIES

Abbott Technologies is headquartered in Southern California within easy reach of the airports servicing Burbank and Los Angeles.

Abbott's AS9100 certified facility is constructed to exacting specifications for the design, development, assembly, test, and screening of power products. The plant is designed to operate efficiently in high volume production runs as well as low volume prototype quantities.

Our Engineering team has a large design library and utilizes advanced, industry-standard hardware and software tools including:

- 3D solid modelling for mechanical design
- Computer-aided engineering
- Circuit design and PCB layout

These tools include capability to simulate, analyze, and validate each design through first article testing before it is released to manufacturing.

Manufacturing is performed in-house to the highest quality standards and driven by an advanced, integrated ERP system:

- All assembly performed to IPC-610A standards (with soldering to J-STD-001E)
- Workmanship per MIL-STD-454
- 100% Quality Inspection
- In-house testing capabilities include EMI lab and ESS chambers, conforming to most requirements of MIL-STDs 461/462, 810, and DO-160

COMPANY INFORMATION

CAGE / UEI: 58910 / JDC7CDZF7A33

DUNS: 36-065-1954

NAICS: 334416, 334419, 335311, 335999

CERTIFICATIONS: AS9100D, ISO9001, SBA WOSB

SALES

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TECHNICAL SUPPORT

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QUALITY

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