Vendor qualifications and business description offered by:

Physical Address:
Planar Monolithics Industries
7311-F Grove Road
Frederick, Maryland
21704 USA

Point of Contact:
Kevin Mason, General Manager
Phone:. (301) 662-5019
Fax: (301) 662-1731
Email: kmason@pmi-rf.com
Web Site: www.pmi-rf.com

PLANAR MONOLITHICS INDUSTRIES is a partnership incorporated in the state of Maryland.

Federal CAGE Code: 05XQ0
DUNS: 829998517
Federal ID: 52-1756966
Applicable SIC Code: 3679
Applicable NAICS Codes: 334419, 334220, 334511, 541330

Description of business philosophy.

Planar Monolithics Industries® believes that at the core of American engineering endeavor and skill resides a simple concept: The protections afforded by our constitution cannot be realized by anything less than excellence at every level of product design, engineering and manufacture by all companies engaged in supporting activities initiated by the United States Government.

The protections furthered by this ascription to excellence allow American technological leadership to flourish and are central to our wealth, future and way of life. Every day for every client we are contributing to these goals of helping keep America safe and helping America to be the world leader in todays technologically driven global economy.

Description of core offering.

Planar Monolithics Industries (“PMI”) is the proprietary designer, engineer and manufacturer of an extensive collection of radio signal manipulation devices primarily functioning in the 100MHz to 40GHz frequency range and typically in lower power ranges.

PMI maintains a database of over 3000 devices including amplifiers (including SDLVA and EDLVA configurations, phase shifters and modulators including IQ vector modulators, high and low power switches, limiters, detectors, specialized filters in all configurations, attenuators and blanking devices.

Additionally, PMI has an extensive track record “combining” many of these devices into single devices (“sub system modules”) specifically designed to either realize cost savings in doing so or purposefully offload client engineering requirements that specific functional requirements be met such as minimization of noise or insertion loss. These devices include, among others, switched filter banks, switched amplifiers, amplified diplexers and specialized devices taking advantage of PMI’s skill and knowledge of MMIC and MIC / hybrid technologies.

Combining many of these capabilities, PMI is often asked to oversee large system integration projects which may utilize a variety and / or mix of mentioned devices or combinations thereof. Additional references to large-scale system integration capabilities are available upon request and may require the initiation of an NDA.

PMI actively engages in the service, repair, upgrade and refit of numerous devices and systems built by PMI or others. These devises include all items we design, engineer and manufacture and may include digitally tuned oscillators, phase locked oscillators, frequency multipliers and numerous types of SIGINT, C4ISR and ELINT receive sets.

Description of base skills contributory to core offering.

PMI employs numerous degreed engineers with extensive skill in rf and microwave circuit design.

PMI employs numerous persons specifically skilled at digital interface and control of devices we design.

PMI employs numerous persons specifically trained and versed in microassembly of complex electronic devices.

PMI employs numerous persons with extensive knowledge and skill in accomplishing critical mechanical drawings and specification documents required in support of various standards and qualifications.

PMI employs additional support staff including test / measurement technicians, electronics technicians, supply chain persons and milling / machining persons.

PMI employs executive and administrative staff in support of business continuance and growth activities.

PMI employees accomplish all required technical writing, product descriptive and feature writing and website maintenance and upkeep.

PMI operates a dedicated machine shop used for both prototyping and production of cases, mounts, brackets and etcetera in brass, aluminum and various alloy metals. Inspection of this facility can be arranged upon request and may require the initiation of an NDA.

PMI owns and operates its own climate testing equipment.

PMI produces extensive test and measurement data on all devices we manufacture. Some of this documentation is traditional, some is available at the clients specific request. PMI has the capacity to confirm or test devices in order to confirm specification requirements which may be unique to an individual clients requirement.

PMI completes and maintains all its own export and Federal Government compliance documentation.

Description of specialized skills and knowledge.

PMI actively designs and engineers numerous devices and systems utilizing combinations of emerging technology and mature technologies in order to achieve unique requirements on behalf of our clients.

PMI may utilize discrete or MMIC technology when engineering a product depending upon multiple factors but driven by achieving client goals whether they are cost, delivery, specification driven or are impacted critically by all three of these primary design considerations.

PMI may advise or guide clients through extensive engineering conferences and / or visits in order to achieve goals of best cost, lowest noise or combinations of both. PMI may suggest numerous ways unique or specialized specifications may be achieved.

Because of PMI's extraordinary legacy knowledge and understanding of critical radio frequency noise and noise-path challenges, we are able to achieve extreme specification goals much more quickly and efficiently than other less skilled groups. This understanding provides us with the capacity to extensively analyze any design prior to execution and assists in lowering overall design costs and preventing unneeded iterations.

Having captive machining capability allows us to engineer devices to take full advantage of maximum ground requirement while machining to achieve the clients end goal. Having access to the shop and interacting closely with the staff who operate that portion of the business proves again and again to reduce lead-time and save costs. Additionally, this capability allows us to make critical form/ fit adjustments "on the fly", removing unneeded weight or adding additional or specialized mounting convention. This innovation, specifically doing all our own machine work gives us a distinct edge in achieving client goals. When achieving form/ fit, the client does not need to choose between "perfect" spec or "perfect "form, both can be efficiently achieved with little or no compromise.

Description of standards.

PMI is ISO-9001-2008 certified.

PMI adheres to MIL-STD-202 and MIL-STD-883

Our quality assurance group adheres to MIL-Q-9858 and MIL-I-45208

PMI is actively working towards SAE-AS9100 certification.

These are links to various informational pages from our website:

Regarding DLVA devices,

http://www.pmi-rf.com/Products/SDLVA/SDLVA-2020-70-0518-1MOHM.htm

Regarding band pass filters,

http://www.pmi-rf.com/Products/filters/lumpedelement.htm

Regarding power dividers,

http://www.pmi-rf.com/Products/power_divider/features.htm

Regarding multifunction module design, much like this requirement,

http://www.pmi-rf.com/Products/multifunctionmodules/features.htm

Extensive client references are available from the Federal and commercial sectors, initiation of an NDA may be required to view or discuss this information.