PMI offers the highest quality multi-function modules and integrated microwave assemblies for commercial and military applications in frequency ranges up to 40 GHz. Built to your specifications, functions can include amplification, attenuation, filtering, switching, phase shifting, power detection, modulation, coupling, limiting and digital/analog control. PMI offers many other standard models with various options that are available at: https://www.pmi-rf.com/categories/integrated-mic-mmic-assemblies

**3U Open VPX Transceiver**

PTRAN-100M18G-SFB-3UVPX-10HP-MAH

- 100 MHz to 18.0 GHz Transceiver
- Integrated Up and Down Converters
- IF up to 4 GHz
- Time Gated SDLVA for Pulse Blankings
- -80 to -10 dBm Input Dynamic Range
- Customizable Switched Filter Banks
- 0 to +10 dBm Transmit Power
- 100 ns Switching Speed
- Fits into a 3U open VPX form factor utilizing the high speed VITA 67 RF connector.
- CW Immunity

**Amplified RF Downconverter Modules**

LCM-7R7G8R2G-CD-1 & LCM-16G100MBW-CD-1

- Customized Frequency Ranges:
  - LCM-7R7G8R2G-CD-1: 7.7 to 8.2 GHz
  - LCM-16G100MBW-CD-1: 16.0 GHz ± 50 MHz
- IF range of DC to 10 KHz
- Features a 20 dB voltage programmable attenuator and a 360° phase shifter.
- Designed for low spectral noise and high reverse isolation
- Slim line housing measuring only 2.5” x 1.75” x 0.4”

**Phase and Amplitude Matched Integrated Modules in sets of four**

PCAM-05G18G-INT-S5F

- Operating Frequency Range of 0.5 to 18.0 GHz.
- Built in sets of four, phase and amplitude matched to industry leading levels of ±10º and ±1.5 dB over the frequency range.
- Incorporates limiters, LNAs, switches, and variable digital attenuators.
- These units allow for high and low gain paths, a calibration input, and an auxiliary channel.
- A low noise figure and high output P1dB of +15 dBm are achieved by utilizing system analysis software and in-house hybrid/MIC processes.
- SMA Female connectors and small housing configuration.

**Quad Phase and Amplitude Matched Diplexer Gain Module**

DGM-18G40G-292FF-DS

- Operating Frequency Range: 18.0 to 40 GHz.
- Switched output and an integrated power divider feeding the four antenna inputs via a 20 dB coupler for ease of system integration.
- Band select function not only switches bands, but allows the amplified bands not in use to be turned off to reduce power consumption.
- Designed to have better than 60 dB harmonic suppression.

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**Planar Monolithics Industries, Inc.**

*Integrated RF/Microwave Assemblies*

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