

# PDI-50121 • 12 in 1 Multimod™ Modulator System

Prepared by PDI Engineering

## The special features exclusive to PDI's 12 in 1 Modulator System include:

- Sealed, compartmentalized power input and RF control sections for high RFI integrity, thus achieving excellent intermodulation characteristics.
- Voltage transfer to compartments is through soldered feed-thru capacitors.
- Our cast housing incorporates a metal Meatex braid at all mating surfaces between cover and chassis to maintain the highest degree of RFI integrity.
- Nickel plated brass “F” connectors are used instead of cast connectors for strength and solid RF connectivity.
- Extra long “F” connectors and module extension beyond the rear of the housing rack insures “user friendly” finger room for making easy connections.
- Air channels are molded into the vertical sides of the module casting to allow air flow for additional cooling during operation.
- Grounding lugs are provided on the back of the module casting to eliminate transients created by switching type power supplies.
- Dual precision SAW filters provide 10 dB more isolation between adjacent channels than competitive units.
- New high efficiency switching power supply keeps voltage output stable over a wide voltage input variation.
- Advanced modulator chip offers improved stability performance and circuit simplicity.
- A 1-3/4” x 19” rack mounted, crossflow blower fan is available for poorly air conditioned environments.

The above features, together with extended product “burn-in”, 100% quality control and value pricing, offers the user one of the best performing and most reliable modulator systems in the marketplace.

