L3’s RPM (RF Power Module) series of signal amplifiers combines high-power transmit amplifiers, low noise receive amplifiers and robust RF filtering to enable simultaneous transmit and receive capabilities for L3’s line of transceivers.

Key Features

- Compact, integrated transmit, receive and filtering hardware
- Allows simultaneous transmit and receive on either of two antenna ports
- Amplification and filtering enables full over-the-air use of the transceiver’s band of operation
- RS-485 pass-through for transceiver control of L3’s directional antennas
- Integrates with omnidirectional antennas
RPM Amplifiers

Product Description

L3’s RPM series is designed for airborne operation on manned and unmanned aircraft as the signal amplifier between the L3 CSW transceiver and the antenna for both transmit and receive paths, ensuring extended range performance, link diversity, and blockage and interference mitigation. Our RPM series features integrated heat exchangers with fans to assist in cooling, and have all been designed and tested to MIL-STD-810F environmental requirements for airborne applications.

RPM K10

RPM K40

RPM M10

Data contained within this document are summary in nature, addressing general capabilities and subject to change without notice at any time at L3 Technologies’ sole discretion. All brand names and product names referenced are trademarks, registered trademarks or trade names of their respective holders. This data consists of L-3 Technologies, Inc., Communication Systems-West Division information that has been released into the public domain in accordance with International Traffic in Arms Regulations (ITAR) 22 CFR 120.11(7).

© 2017 by L3 Communication Systems-West. 17-DSH/SS-182 Rev 101