

CUSTOM SUB-RACK LMCO-1366-SYS



KEY FEATURES:

- ◆ Custom rack developed for AN/TPS-59/FPS-117 family of Solid-State Radars.
- ◆ 4 Bay rack assembly with 1,400 watts of N+1 redundant output power.
- ◆ Sub-Rack designed to be rack mounted horizontally or vertically.
- ◆ Redundant single phase inputs per MIL-STD-1399.
- ◆ All outputs floating to provide low output ripple & noise between analog and digital outputs.
- ◆ Hot Swap plug-in modules for fast & simple serviceability.
- ◆ Easy input/output connections provided via standard D-Sub connectors and bus bar arrangement.
- ◆ Designed with the latest COTS technology reduces cost and saves time.
- ◆ Ruggedized and conformally coated to survive harsh environmental conditions and provide higher MTBF.
- ◆ LED's to indicate power supply status & status signals.
- ◆ Front panel voltage adjustment and output voltage & current monitoring.
- ◆ Integral circuit breakers for each power supply module.
- ◆ Over temperature, over voltage, over load and short circuit protection.
- ◆ Switches, handles, labels and markings per customer requirements.
- ◆ Consult factory for additional information on how we can provide a solution which will make your next program a success.

MEETS:

- ◆ MIL-STD-1399 Section 300A including spike voltages to 1000V PK, 1.2 x 50uS waveform.
- ◆ MIL-STD-810F Method 509.4 Salt Fog requirements.
- ◆ MIL-STD-810F Method 514.5 Category 24 Random Vibration in a non-operational state.
- ◆ MIL-STD-461E RE102 (2MHz to 18GHz) for ground equipment.
- ◆ MIL-STD-461E CE102 (10KHz to 10MHz) for ground equipment.
- ◆ MIL-STD-461E RS103 (50V/m, 2MHz to 18GHz) electric field strengths for ground equipment.
- ◆ MIL-STD-461E CS101 (2nd Input power harmonic -30Hz).
- ◆ MIL-STD-461E CS114 (10KHz to 200MHz) and CS116 (10KHz to 100MHz) transient signals.