Harron™
Software-Controlled, High-Power Filtered Amplifier

Product Description
Harron™ is a software-controlled, high-power filtered amplifier that maximizes the multichannel transmit capability of the StingRay II® and significantly improves the performance of the single-channel StingRay® and KingFish® systems by providing high-gain, wide dynamic range, and excellent linearity along with 30 watts of filtered output power. System status indication alerts the user during fault conditions including problems with the RF connections.

- Four Versions Available
  - Harron 850/1900 (Dual Band)
  - Harron 900/1800 (Dual Band)
  - Harron 2100 (Single Band)
  - Harron i800 (Single Band)

Features
- Automatic Level Control
  - Maximizes total output power up to 30 W per band
  - Maintains constant output power
  - Improves power level accuracy
- Filtered Output
  - Improves transmit signal quality
  - Improves receiver sensitivity

Operations Supported
- Maximizes the multichannel transmit capability of the StingRay II
- Significantly improves the performance of the single-channel StingRay and KingFish systems
Harpoon™
Software-Controlled, High-Power Filtered Amplifier

Standards Supported
- GSM
- CDMA2000®
- iDEN
- UMTS

Frequency Coverage
- 850/1900: 869–894 MHz/1930–1990 MHz
- 900/1800: 925–960 MHz/1805–1880 MHz
- iDEN 800: 851–870 MHz
- 2100: 2110–2170 MHz

Physical Characteristics
- Dual Band
  - Size: 10.5" x 14.75" x 5"
  - Weight: 24 lbs
- Single Band
  - Size: 10.5" x 10.5" x 5"
  - Weight: 15 lbs

Power Specifications
- Input: 10–33 Vdc
- Power Consumption
  - Dual Band: 440 W max
  - Single Band: 280 W max

Optional Accessories
- Diplexer for dual-band operation with StingRay and KingFish

Catalog Part Number
- Harpoon 850/1900
- Harpoon 900/1800
- Harpoon i800
- Harpoon 2100

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