

Harpoon™

Software-Controlled, High-Power Filtered Amplifier

Product Description

Harpoon™ 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
 - Harpoon 850/1900 (Dual Band)
 - Harpoon 900/1800 (Dual Band)
 - Harpoon 2100 (Single Band)
 - Harpoon i800 (Single Band)

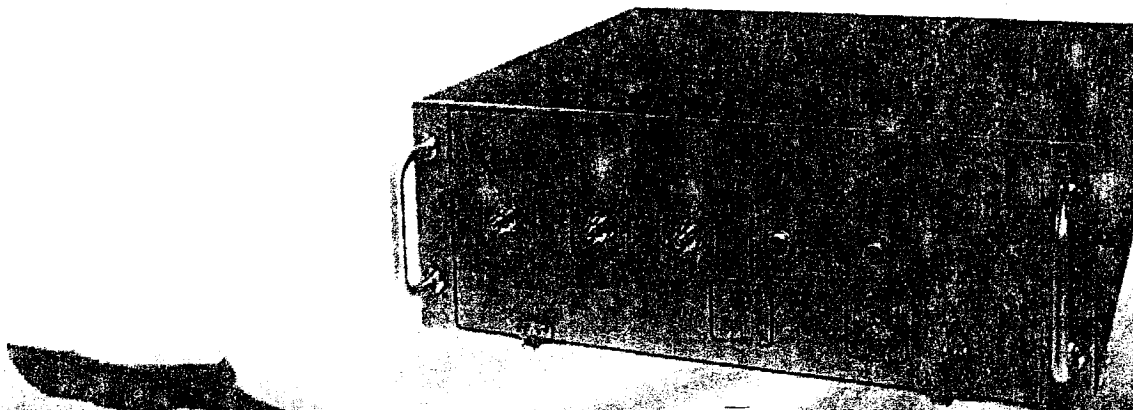
Features

- 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



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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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