

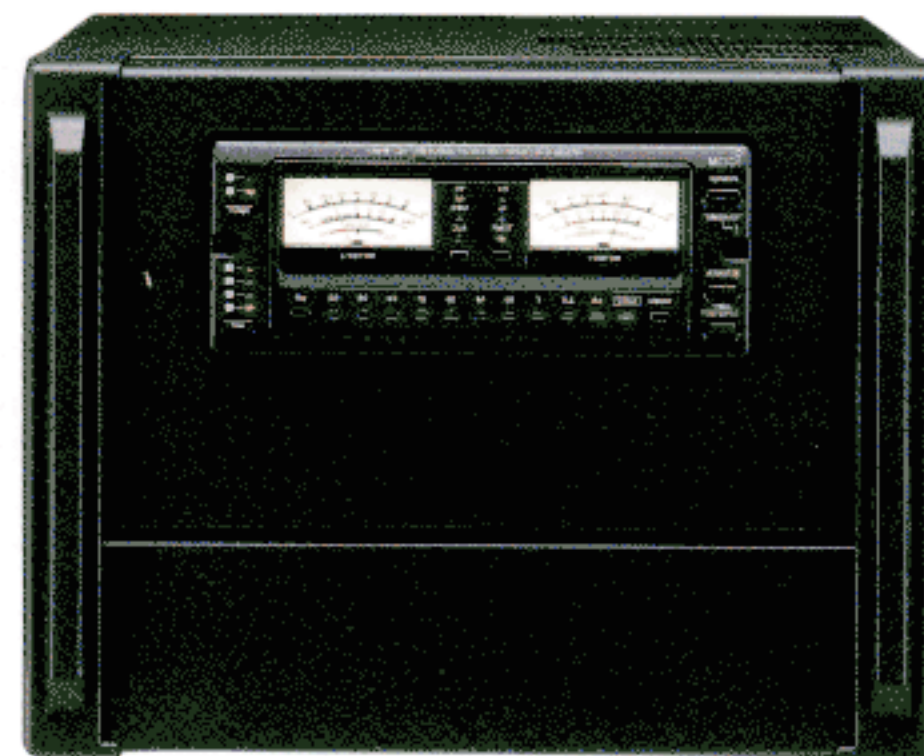


HF/50 MHz ALL BAND 1 kW LINEAR AMPLIFIER

IC-PW1



• Controller attached



The power you need... to succeed!

Wide frequency coverage with 1 kW output*

All HF bands plus the 50 MHz band are covered. The IC-PW1 provides a stable, clean and low distortion 1 kW from 1.8 MHz to 50 MHz*. In addition, full duty cycle (even during more demanding RTTY or SSTV operation) and full break-in operation are possible. Great for DX'peditions or contest operation.

*Guaranteed within amateur bands only.

Wide ALC adjustable range

Internal circuitry allows the ALC to be adjusted over a wide range. This means that the IC-PW1 can be used with almost any HF, 6 m or HF/6 m rigs—not only Icom rigs*!

*Ask your dealer about usable excitors.

Compact body

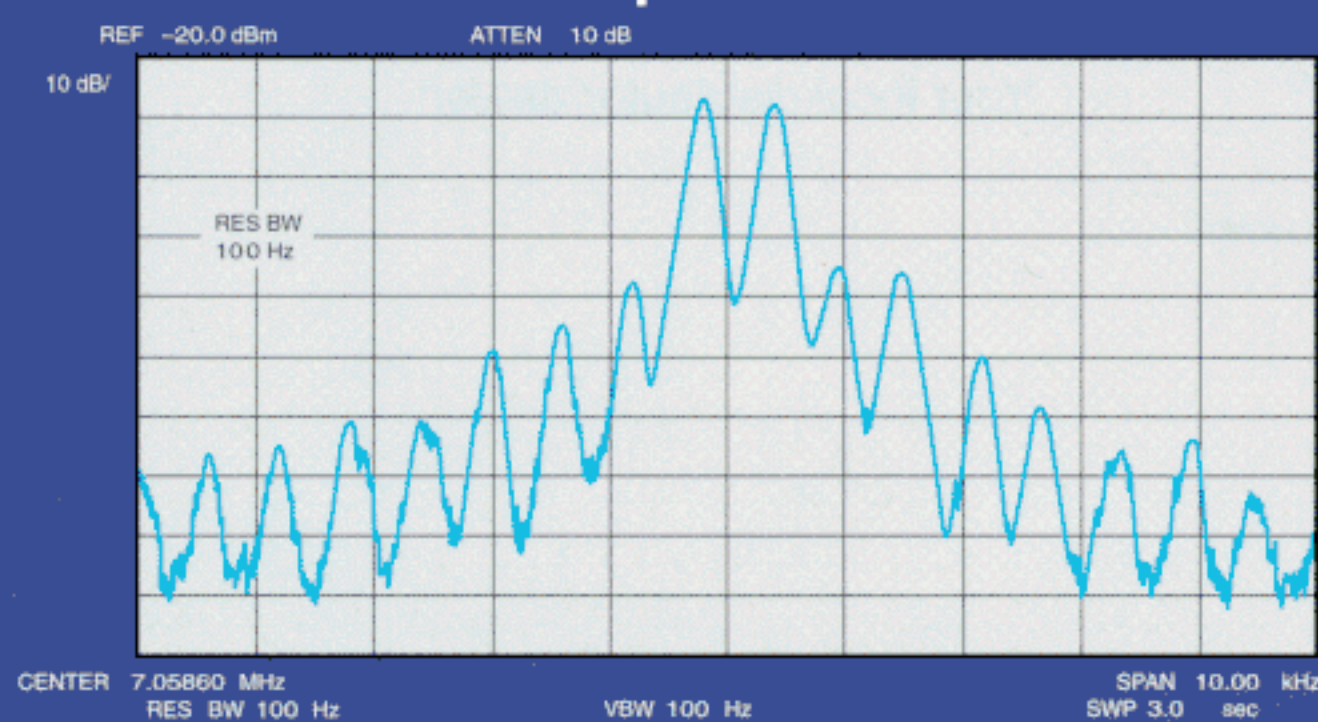
Dimensions, including amplifier, power supply, tuner and controller, are only 350(H) × 269(W) × 378(D) mm*. And, because the controller is detachable, the IC-PW1 can be installed almost anywhere in your shack.

*6²⁵/₃₂(H) × 2²⁵/₃₂(W) × 9¹/₁₆ in.

Other outstanding features...

- Automatic antenna tuner built-in
- Automatic AC input voltage selector is employed
- Current (I_b), Voltage (V_b), temperature, SWR and output power protectors are available

IMD characteristics example on the 7 MHz band



Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage (MHz):

1.800– 1.999	3.500– 3.999
7.000– 7.300	10.100– 10.150
14.100– 14.350	18.068– 18.168
21.100– 21.450	24.980– 24.990*
28.000– 29.000*	50.000– 54.000

 *Inhibited for USA version.
- Power supply requirements: 180–264 VAC or 90–132 V AC (single-phase; 50/60 Hz)
- Current drain: Less than 15 A (max. output at 200 V)
Less than 20 A (max. output at 100 V)
- Usable temperature range: –10°C to +40°C;
+14°F to +104°F
- Duty cycle: Full duty
- Input connector: SO-239 × 2 (50 Ω)
- Output connector: SO-239 × 4 (50 Ω)

LINEAR AMPLIFIER

- Output power:

AC Input	180–264 V AC	90–132 V AC
CW, RTTY	1 kW	500 W
SSB	1 kW PEP	500 W PEP

- Driving power: Max. 100 W
- Spurious emissions: Less than –60 dB (HF bands)
Less than –70 dB (50 MHz)

ANTENNA TUNER

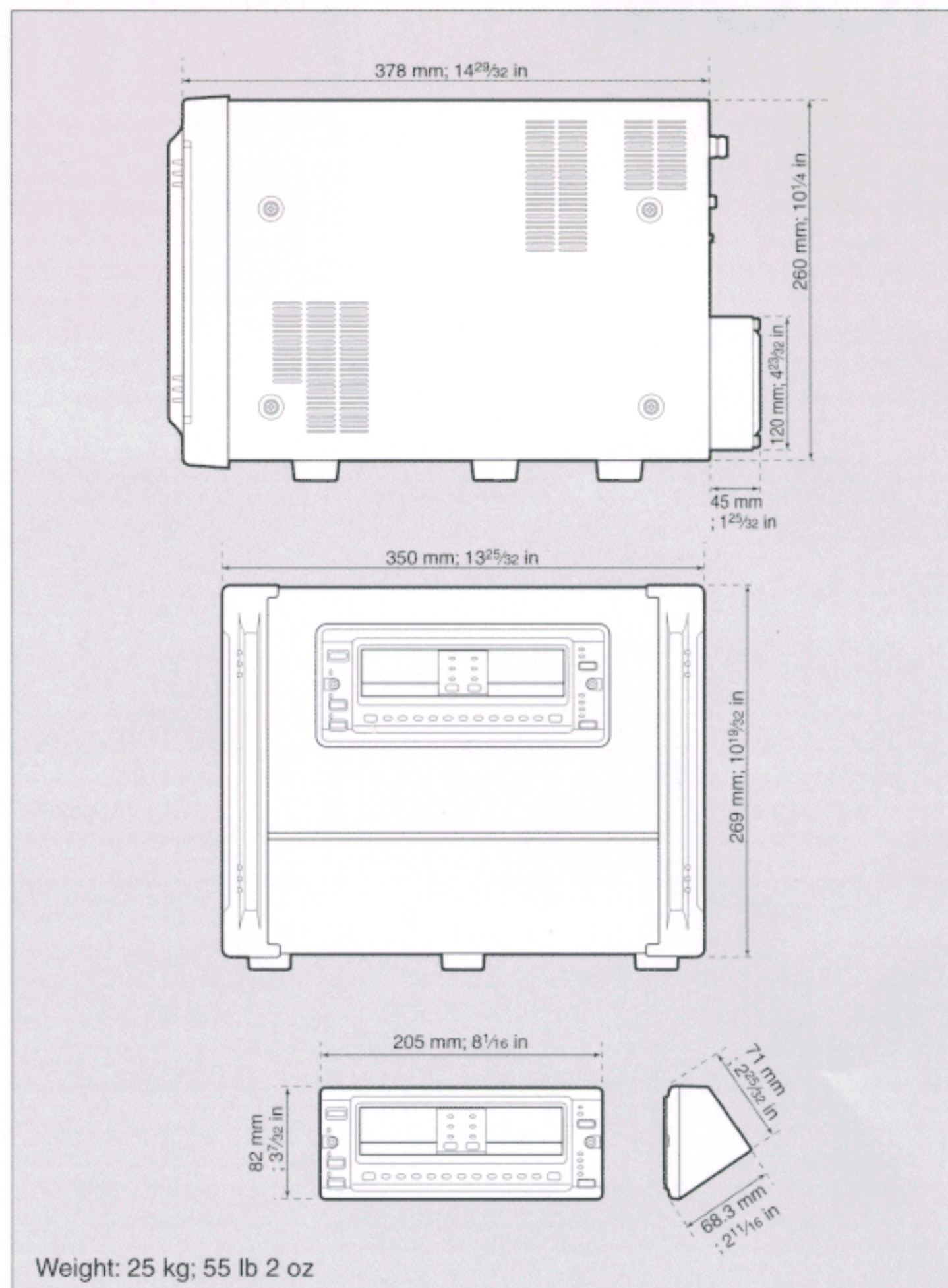
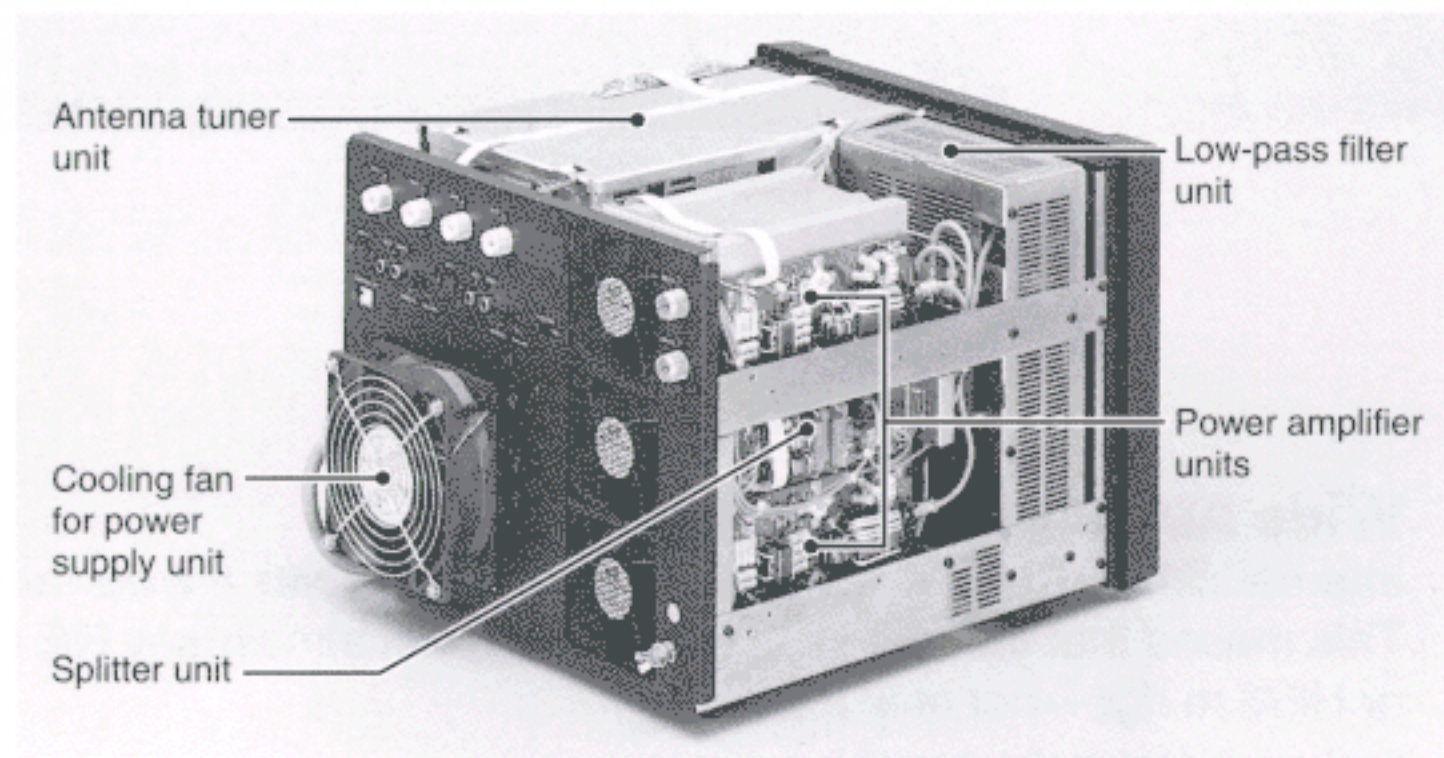
- Output matching range: 16.7 Ω to 150 Ω (HF bands) (tuner switch ON)
20.0 Ω to 125 Ω (50 MHz)
- Auto tuning accuracy: VSWR 1.5:1 or less
- Min. required input power: 60 W
- Insertion loss: Less than 1 dB (after tuning)

Supplied accessories:

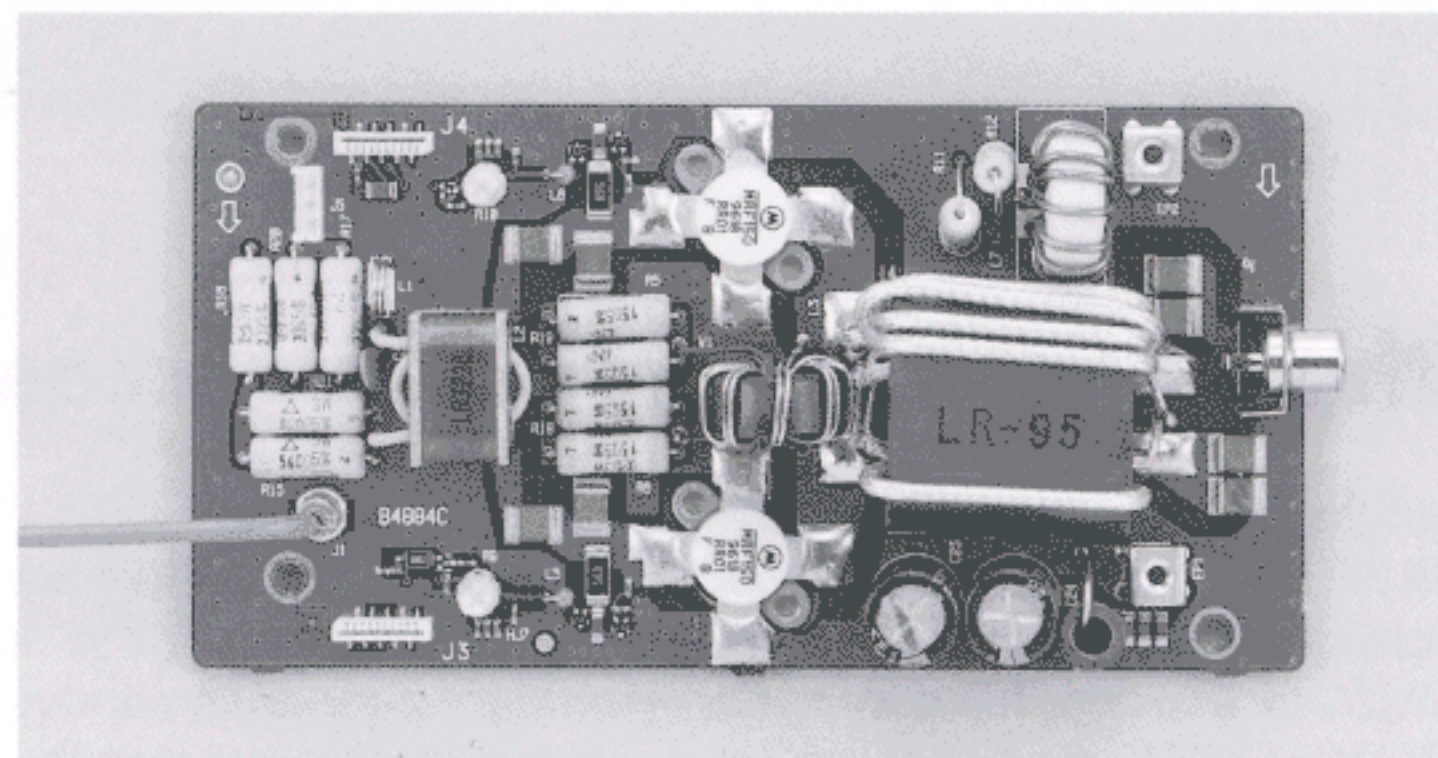
- Controller separation cable
- Coaxial cable with PL-259 plugs
- ACC cables

All stated specifications are subject to change without notice or obligation.

INTERNAL VIEW



PA UNIT



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