

## STANDARD FEATURES

- State-of-the-art design.
- State-of-the-art styling.
- Completely solid state.
- 10-80 meters.
- USB, LSB, CW.
- Filter shape factor 1.7:1.
- CW monitor with adjustable pitch and level control.
- Amplifier relay keying.
- Noise blanker.
- 25 Kc calibrator, built-in.
- Made in the USA by Swan craftsmanship.
- Operates from 11 to 15 VDC source negative ground.
- Current drain 130 Ma receives, 20 amps maximum in transmit at 13.0 VDC with dial and meter light on current drain is approximately 100 Ma more.
- Internal speaker.
- Semi-CW Break-in.
- Mobile mount bracket (gimble).

## 100 MX MOBILE TRANSCEIVER

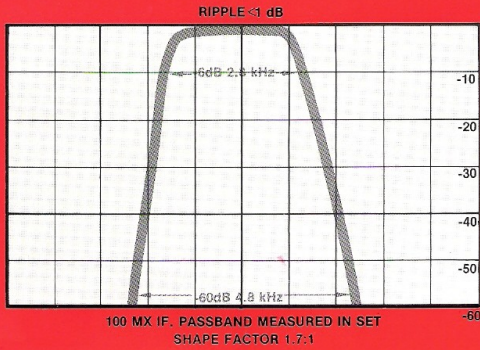
Built-in Noise Blanker and Vox. One Kc readout with permability tuned oscillator (PTO). RIT control  $\pm$  kHz. Preselector for transmit and receive. Minimum 100 watts P.E.P. output, all bands.

 **SWAN**  
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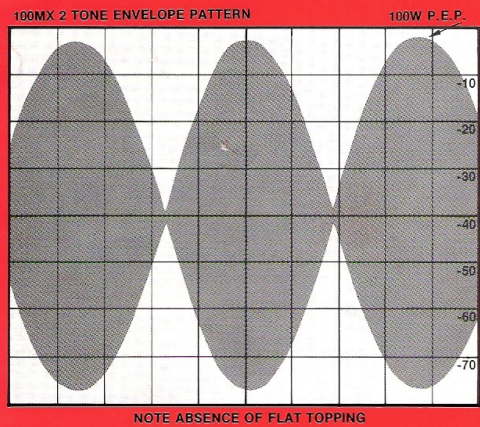
# SWAN 100 MX

Look at these impressive readings:

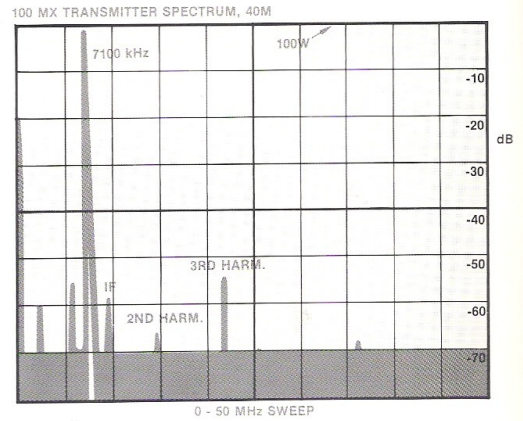
## 40M Filter spectrum



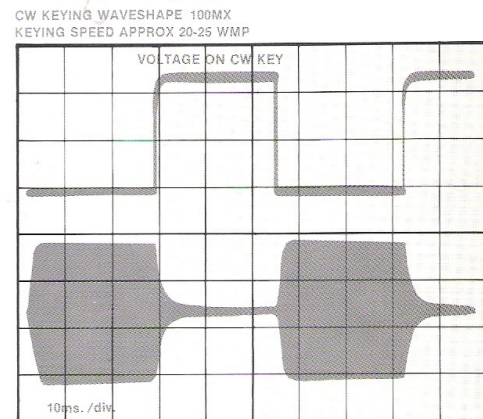
## 40M Description two-tone



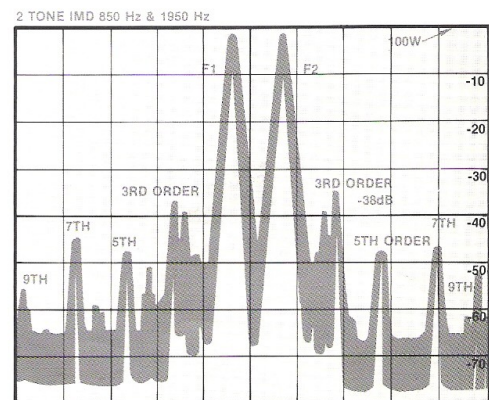
## 40M Spurious spectrum



## 40M CW Keying



## 10M Power Output



## SPECIFICATIONS

Frequency/Range — Standard

80 meters (3.5 — 4.0 MHz)

40 meters (7.0 — 7.5 MHz)

20 meters (14.0 — 14.5 MHz)

15 meters (21.0 — 21.5 MHz)

10 meters (28.5 — 29.0 MHz)

### Extended Frequency Coverage

500 KHz segments of 10 meter band 28.0-28.5 29.0-29.5 29.5-30.0. By replacing standard crystal with optional crystal for desired segment. No realignment required.

### Modes of Operation

USB, LSB, CW

### I.F. Filter

9 mHz quartz crystal filter, 2.7 KHz bandwidth, 1.7:1 shape factor.

### Calibrator

Built-in 25 KHz calibrator.

### VOX

Built-in, standard.

### Noise Blanker

Built-in, standard.

### Mobile Mount

Included, standard.

## RECEIVER SPECIFICATIONS

### AGC

RF derived fast attack control decay with range in excess of 120db. From 1 uv to 3 v audio output remain within 5db.

### Meter Reads

S units to 60db over S9.

### Sensitivity

Less than 0.35 uv at 50 ohms for 10db signal plus noise-to-noise ratio ALL bands.

### RF-Derived AGC

Fast attack, controlled decay guards against undesirable pumping action.

### CW Sidetone

Monitors CW keying and includes independent level and pitch controls.

### Audio Output

Four watts into four Ohm load. Provisions for external speaker or headphones on rear panel.

### Audio Response

300 to 3000 Hz.

Weight: 13.0 pounds

Dimensions in inches: 3.75H, 11.60W, 9.75W.

## TRANSMITTER SPECIFICATIONS

### Power Output Rating

Minimum 100 W P.E.P. single sideband and CW ALL Bands @ 13.8 VDC nominal to 50 ohm resistive load.

### Unwanted Sideband Suppression

Greater than 60 dB.

### Carrier Suppression

Greater than 50 db.

### Harmonic Output

Down greater than 50 db ALL Bands.

### Third Order Distortion

Greater than 30 db from peak power.

### Audio Bandpass

300 to 3000 Hz.

### Amplified ALC

Automatic level control increases voice strength and reduces overmodulation, and protects final transistors when operating into high VSWR.

### CW Keying

Transmit mixer stage keyed: (equivalent to grid-block keying).

### Tuning System

Linear permeability tuned oscillator.

### Output Impedance

50 ohms.

### Metering

Reads ALC on transmit.

### Stability

Less than 100 Hz after initial warmup. (From 11 — 15 VDC less than 10 Hz change.)

## STANDARD FEATURES

- External relay control for use with linear amplifier.
- Semi-CW break-in
- External jack.
- Reverse voltage protection.
- $\pm 1$  KHz receiver incremental tuning with on-off switch (RIT).
- VOX
- Noise blanker
- Mobile mount (Gimble)

## ACCESSORIES AND COMPATIBLE PRODUCTS

- PSU-1 — Power Supply
- Model 34 Mobile Antenna
- Model 45 Mobile Antenna
- Digital Dial
- MMBX Mobile Antenna Matchbox
- Front retractable tilt stand.
- Mobile Mount — Gimble type

Introductory offer **\$799.95.**

Good until Sept. 30, 1978.

**Amateur Net \$849.95**

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Call Letters \_\_\_\_\_

## ALL SWAN PRODUCTS ARE BACKED BY . . .

### SWAN'S SERVICE POLICY

One of the major factors in our success has been the efficient and competent service we render to the owners of all Swan equipment.

We value you as a Swan customer and the importance of this policy stands behind every piece of amateur gear we sell. When you purchase Swan equipment, you can be assured of receiving the very best in experience and skilled service.

### SWAN'S WARRANTY POLICY

Swan guarantees your equipment against defects in material or workmanship, under normal service for a period of one year. Tubes, transistors and diodes are covered under the warranty policy for a period of 90 days. This agreement is valid when the warranty card that comes with your equipment is filled out and mailed to us within ten days after your purchase has been made. If something is not right with your

equipment, please do not ship it to the factory without prior authorization. We will repair or replace defective parts at no cost, including installation and labor, if the equipment has not been tampered with, misused or damaged.

### SWAN'S PRODUCT SATISFACTION IS GUARANTEED

For years Swan has consistently produced the finest ham equipment for your transmitting and listening pleasure. To accomplish this, we have coupled Value Engineering with Customer Service. Value Engineering has saved you money by eliminating unnecessary components without effecting performance. Our customer service policy keeps you on the air by letting us help to solve your problems.

*So come to Swan first, we're here to serve you.*

Remember, at Swan our success is measured by your complete satisfaction with our equipment.

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