

IC-F3S/IC-F4S SPECS

General

- Frequency coverage (Varies according to version)
 - IC-F3S 136.000 -150.000 MHz
 - 146.000 - 174.000 MHz
 - IC-F4S 400.000 - 430.000 MHz
 - 440.000 - 470.000 MHz
- Mode: 16KOF3E (25 kHz type)
- Number of channels: 32
- Power supply requirement: 9.6 V DC (negative ground)
- Current drain
 - Tx High Power 1.3 A (IC-F3S)/1.4 A (IC-F4S)
 - Low power 0.6 A (IC-F3S)/0.7 A (IC-F4S)
 - Rx Rated audio 250 mA
 - Standby 60 mA
- Frequency stability:
 - $\pm 0.0005\%$ (EIA)
 - ± 1500 Hz (ETS/CEPT)
- Operating temperature range:
 - IC-F3S: -25°C to +55°C (ETS/CEPT)
 - IC-F4S: -20°C to +55°C (ETS/CEPT)
 - -22°F to +140°F (EIA)
- Dimensions (projections not included):
 - 57(W) x 140(H) x 37(D) mm
 - 2-1/4(W) x 5-1/2(H) x 1-15/32 (D) in
- Weight (with antenna and battery): 390 g (13.8 oz)

Transmitter

- Output power: (at 9.6 V DC)
 - IC-F3S 5 W or 1 W
 - IC-F4S 4 W or 1 W
- Modulation system: Variable reactance frequency modulation
- Max. frequency deviation:
 - ± 5.0 kHz (25 kHz type)
 - ± 2.5 kHz (12.5 kHz type)
- Spurious emissions:
 - -70 dB typical (EIA)
 - 0.25 μ W (ETS/CEPT)
- Adjacent channel power:
 - -70 dB (25 kHz type)
 - -60 dB (12.5 kHz type)
- External mic. connector:
 - 3-conductor 2.5 (d) mm
 - (1/10")/2 k ohms

Receiver

- Receive system: Double-conversion superheterodyne
- Intermediate frequencies
 - 1st 31.05 (IC-F3S)/46.35 MHz (IC-F4S)
 - 2nd 450 kHz
- Sensitivity (typical):
 - for 12 dB SINAD: 0.25 μ V (IC-F3S) / 0.3 μ V (IC-F4S)
 - EMF: for 20 dB SINAD: 0.63 μ V (IC-F3S) / 0.79 μ V (IC-F4S)

- Squelch sensitivity (typical) : 0.25 μ V (IC-F3S) / 0.3 μ V (IC-F4S) (threshold)
- Adjacent channel selectivity: 70 dB (25 kHz type), 60dB (12.5 kHz type)
- Spurious response rejection: 70 dB
- Intermodulation rejection: 65 dB
- Audio output power (at 9.6 V DC): 500 mW at 10% distortion
- External speaker connector: 3-conductor 3.5 (d) mm (1/8")/8 ohms

Options

- BC-110A/D/V WALL CHARGER Regularly charges the connected battery pack.
- BC-119 DESKTOP CHARGER + AD-81 CHARGER ADAPTER For rapid charging of battery packs. An AC adapter is supplied with the charger. Charging time: 1 to 1.5 hrs.
- BC-121 MULTI-CHARGER + six AD-81 CHARGER ADAPTER For rapid charging up to 6 battery packs simultaneously. An AC adapter may be supplied depending on version. Six AD-81s are necessary. Charging time: 1 to 1.5 hrs.
- BP-194 BATTERY CASE Battery case for AA(R6) x 8 batteries.
- BP-195/BP-196 BATTERY PACKS BP-195: 9.6 V/700mAh; BP-196: 9.6 V/1050 mAh
- HM-46 SPEAKER-MICROPHONE Slim dimensions. Equipped with an earphone jack and a transmit indicator.
- HM-54 SPEAKER-MICROPHONE For operation while conveniently hanging the transceiver from your belt, etc.
- HM-75A SPEAKER-MICROPHONE Allows you to remotely select operating channels, etc.
- HS-51 HEADSET For hands-free operation. Includes VOX, PTT and "one-touch" PTT with a time-out timer.
- MB-68 BELT CLIP Allows you to attach the transceiver to your belt. Same as supplied.
- OPC-254L CHARGING CABLE For charging ONLY--the transceiver cannot be simultaneously operated.
- CP-12L CIGARETTE LIGHTER CABLE WITH NOISE FILTER Allows you to charge a battery pack connected to the transceiver via a DC power source (12 to 16 V DC). For charging ONLY--the transceiver cannot be simultaneously operated.
- SP-13 EARPHONE Provides clear audio in noisy environments.
- UT-80 2-TONE UNIT Provides the transceiver with 2-tone decode capability.
- UT-96 5-TONE UNIT Provides the transceiver with 5-tone encode/decode capability.
- UT-105 SmarTrunk II(TM) Logic Board. Provides SmarTrunk II(TM) capabilities.

Tri-County Communications, Inc.

6 Keith St.
Oneonta, NY 13820
1-800-564-8724

110 Broad Ave.
Binghamton, NY 13904
1-800-924-1125

sales@tricountycom.com