

**SPECIFICATIONS**

<b>General</b>	
Frequency coverage	28.000MHz ~ 29.700MHz
Number of channels	60
Channel step	10Hz, 100Hz, 1KHz, 10KHz
Class of emission	AM(A3E)/FM(F3E)/USB LSB(J3E)
Frequency Control	Phase-Locked-Loop Synthesizer
Antenna Impedance	50Ω
Working temperature	-30°C ~ +55°C
Frequency Tolerance	0.005%
Frequency Stability	0.001%
Power Supply	13.8V DC±15%
Grounding Method	Negative ground
Current Drain	Transmitter: 6A(max.)
	Receiver: about 400mA(max.) 800mA (noise reductions)
Dimensions (W x H x D )	250 x 280 x 60 mm
Weight	Approx. 2.8kg
Antenna Connector	UHF,SO239
<b>RECEIVER</b>	
Maximum sensitivity	1.0μV(-107dBm) FM Mode SINAD: 20dB
	1.0μV(-107dBm) AM Mode SINAD: 10dB
	0.25μV(-119dBm) SSB Mode SINAD: 10dB
Selectivity	AM/FM:6dB@3KHz,50dB @9KHz SSB: 6 dB@2.1KHz,60dB @3.3KHz
Image Rejection	More than 65dB
IF Frequency	AM/FM: 10.695 MHz 1st IF, 455 KHz 2nd IF SSB: 10.695 MHz
Adjacent-Channel	AM/FM : 60dB & SSB: 70 dB
RF Gain Control	45 dB adjustable for optimum signal reception
Automatic Gain Control(AGC)	Less than 10 dB change in audio output for inputs from 10 to 100,000 microvolt.
Audio frequency response	From 300Hz to 2.8kHz
Audio Output Power	4 watts max @8Ω
<b>TRANSMITTER</b>	
Output Power	HI: 12W LO: 1W @13.8V DC FM/AM/CW Mode SSB:25W
Modulation	High and low level class B Amplitude Modulation: AM Varied Capacitance Frequency Modulation: FM
Audio frequency response	From 450Hz to 2.5kHz FM/AM Mode
SSB Carrier Suppression	55dB
Unwanted Sideband	50dB
Inter-modulation Distortion	SSB: 3rd order, more than -25dB; 5th order, more than -35dB