

10. SPECIFICATIONS

GENERAL	
Modulation Mode	AM/FM/USB/LSB/CW/PA
Frequency Range	28.000-29.700MHz
Frequency Band	A/B/C/D/E/F/G/H/I + VFO
Channel	40 channels (programmable) in each band
Frequency Control	Phase-Locked-Loop Synthesizer
Frequency Step	10Hz, 100Hz, 1KHz, 5KHz, 10KHz, 100KHz, 1MHz
Microphone	With Push-to-Talk / UP / DN / PF and coiled cord
Frequency Tolerance	± 5.0ppm
Input Voltage	12V
Dimensions(in mm)	187(L)x175(W)x53(H)
Weight	about 1.0kg
Operating Temperature Range	-20° C TO + 55° C
Antenna Connector	UHF,SO-239
TRANSMITTER	
Power Output	AM=10W(PEP=35W),FM=30W,SSB=30W(PEP)
Drain	10A (with modulation)
Inter-modulation Distortion	SSB: 3rd order, more than -25dB; 5th order, more than -35dB
SSB Carrier Suppression	55dB
Unwanted Sideband	50dB
Frequency Response	AM/FM: 300 to 3000Hz SSB: 450 to 2500Hz
Modulated signal distortion	inferior to 5%
Output Impedance	50 ohms
RECEIVER	
Sensitivity	AM:1.0μV for 10dB(S+N)/N at greater than 1/2 watt of audio output. FM: 1.0μV for 20dB (S+N)/N at greater than 1/2 watt of audio output. SSB: 0.25μV for 10dB(S+N)/N at greater than 1/2 watt of audio output.
Selectivity	AM/FM:6dB@3kHz,50dB @9kHz SSB: 6 dB@2.1kHz,60dB @3.3kHz
Image Rejection	65dB
Adjacent Channel Rejection	60dB
IF Frequencies	AM/FM: 10.695MHz 1st IF, 455 KHz 2nd IF SSB: 10.695MHz
RF Gain Control	45dB adjustable for optimum signal reception
Automatic Gain Control(AGC)	Less than 10dB change in audio output for inputs from 10μV to 100,000μV

11. CTCSS/DCS CHART

10.1 38 SETS ANALOG FRQ LIST(CTCSS)

No.	Freq.(Hz)	No.	Freq.(Hz)	No.	Freq.(Hz)	No.	Freq.(Hz)
01	67.0	11	97.4	21	136.5	31	192.8
02	71.9	12	100.0	22	141.3	32	203.5
03	74.4	13	103.5	23	146.2	33	210.7
04	77.0	14	107.2	24	151.4	34	218.1
05	79.7	15	110.9	25	156.7	35	225.7
06	82.5	16	114.8	26	162.2	36	233.6
07	85.4	17	118.8	27	167.9	37	241.8
08	88.5	18	123.0	28	173.8	38	250.3
09	91.5	19	127.3	29	179.9		
10	94.8	20	131.8	30	186.2		

10.2 104 SETS DIGITAL FRQ LIST(DCS)

Code No.	DSC (Octal)	Code No.	DSC (Octal)	Code No.	DSC (Octal)	Code No.	DSC (Octal)
001	023	027	152	053	311	079	466
002	025	028	155	054	315	080	503
003	026	029	156	055	325	081	506
004	031	030	162	056	331	082	516
005	032	031	165	057	332	083	523
006	036	032	172	058	343	084	526
007	043	033	174	059	346	085	532
008	047	034	205	060	351	086	546
009	051	035	212	061	356	087	565
010	053	036	223	062	364	088	606
011	054	037	225	063	365	089	612
012	065	038	226	064	371	090	624
013	071	039	243	065	411	091	627
014	072	040	244	066	412	092	631
015	073	041	245	067	413	093	632
016	074	042	246	068	423	094	654
017	114	043	251	069	431	095	662
018	115	044	252	070	432	096	664
019	116	045	255	071	445	097	703
020	122	046	261	072	446	098	712
021	125	047	263	073	452	099	723
022	131	048	265	074	454	100	731
023	132	049	266	075	455	101	732
024	134	050	271	076	462	102	734
025	143	051	274	077	464	103	743
026	145	052	306	078	465	104	754