



Electronic Devices

Radio Set, Hand Set, Head Set,
Military PCB





**Radio Set, Hand Set, Head Set,
Military PCB**

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Radio Set VRC-155K



Specifications

Frequency Range	155~161,9875MHz
Modulation Type	FM
No. of Channel	560
Signal Processing	Fixed Audio, Security Audio
Transmit Output	0.5~2W
Sensitivity	-117dBm@12dB SINAD
Communication Range	1.6km~3.2km
Consumption Current	50mA~1A
Dimensions(mm)	216×236×176
Weight	4.7Kg

LOUD SPEAKER (LS-548K)



Specifications

DYNAMIC SPEAKER	Output : 4watts
	Voice coil impedance : 4Ω ±10%
	Frequency response :95dB at 20μPa(0,0002dyne/cm ²), 600~1100Hz(MIN.)
	Distortion : 5% at 400~4000Hz(MAX.)
CONNECTOR (YH U-229/U)	Insulation resistance : greater than 5000MΩ(DC 500V±50V)
	Dielectric withstanding voltage : No evidence of electric breakdown or flashover at 1000V(RMS) for 1 min.
	Contact resistance : 40mΩ (MAX.)
	Durability : over 1500times(30times/min.)

LOUD SPEAKER (LS-549/VRC)



Specifications

DYNAMIC SPEAKER	Output : 4watts
	Voice coil impedance : 4Ω ±10%
	Frequency response : 95dB at 600~1100Hz(MIN.)
	Distortion : 5% at 400~4000Hz(MAX.)
CONNECTOR (YH U-183/U)	Insulation resistance : greater than 5000MΩ(DC 500V±50V)
	Dielectric withstanding voltage : No evidence of electric breakdown or flashover at 1000V(RMS) for 1 min.
	Contact resistance : 40mΩ (MAX.)
	Durability : over 1500times(30times/min.)

LOUD SPEAKER (LS-454/U)



Specifications

DYNAMIC SPEAKER	Output : 2watts
	Voice coil impedance : 8±1Ω
	Frequency response : 95dB at 750~1250Hz(MIN.)
	Distortion : 5% at 400~4000Hz(MAX.)
TRANSFORMER	Input impedance : 600±6Ω
	Output impedance : 8±1Ω
	Frequency range : 250~5000Hz
	Maximum voltage : 55V
CONNECTOR (YH U-229/U)	Output : 2watts±1dB
	Insulation resistance : greater than 5000MΩ(DC 500V±50V)
	Dielectric withstanding voltage : No evidence of electric breakdown or flashover at 1000V(RMS) for 1 min.
	Contact resistance : 40mΩ (MAX.)
	Durability : over 1500times(30times/min.)

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HEADSET (H-161/U)



Specifications

DESCRIPTION	H-161/U(HEADSET) Sensitivity : -56dB at 1kHz(MIN.)
MICROPHONE	Distortion : 5% at 500~3500Hz(MAX.) Impedance : 150Ω ±20% at 1kHz
EARPHONE	Sensitivity : over 102dB at 1kHz Distortion : 5% at 500~3500Hz(MAX.) Impedance : 1,000Ω ±20% at 1kHz Frequency response : ±10dB at 300~3,500Hz

HEADSET (H-161/MOD)



Specifications

DESCRIPTION	H-161/MOD(HEADSET) PRC-950K(PART No. 50085097) Switch ASS'Y changed from H-161/U
MICROPHONE	Sensitivity : -56dB at 1kHz(MIN.) Distortion : 5% at 500~3500Hz(MAX.) Impedance : 150Ω ±20% at 1kHz
EARPHONE	Sensitivity : over 102dB at 1kHz Distortion : 5% at 500~3500Hz(MAX.) Impedance : 1,000Ω ±20% at 1kHz Frequency response : ±10dB at 300~3,500Hz

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HEADSET (H-921K, H-921KW, H-921KA)



Specifications

MICROPHONE	Frequency response : over -56dBm(0.63mV/150Ω) at 1000Hz, 2.8Pa(28dyne/cm ²) Impedance : 150Ω ±20% at 1000Hz Distortion : 5% at 500~3500Hz(MAX.)
EARPHONE	Frequency response : over 102dB at 1kHz, 1mW(20μPa) Impedance : 1000Ω ±20% at 1000Hz Distortion : 5% at 500~3500Hz(MAX.)
PTT SWITCH	Operating pressure : 0.9kgf~1.8kgf Durability : 2 Million(MIN.)
CONNECTOR(YH U-229/U)	Insulation resistance : over 5000MΩ(DC500V±50V) Dielectric withstanding voltage : AC1000V in 5sec. Contact resistance : 40mΩ(MAX.) Durability : over 1500times(30times/min.)

HEADSET 2STYLES (ASYM-3000)



Specifications

MICROPHONE	Frequency response : over -52dBm at 1000Hz, 2.8Pa(28dyne/cm ²) Impedance : 200Ω ±20Ω at 1000Hz Insulation resistance : over 1MΩ Distortion : 5% at 500~3500Hz(MAX.)
EARPHONE	Frequency response : over 1000Hz, 103dB Impedance : 270Ω ±27Ω at 1000Hz Insulation resistance : over 1MΩ Distortion : 5% at 500~3500Hz(MAX.)

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HANDSET (H-920K)



Specifications

MICROPHONE	Frequency response : over $-56\text{dBm}(0.63\text{mV}/150\text{Q})$ at 1000Hz, 2.8Pa(28dyne/cm ²) Impedance : $150\text{Q} \pm 22.5\text{Q}$ at 1000Hz Distortion : 5% at 300~3500Hz(MAX.)
EARPHONE	Frequency response : 104~110dB at 1mW(20μ Pa) 20~3500Hz, 110dB at 3500~9000Hz(MAX.) Impedance : $1000\text{Q} \pm 100\text{Q}$ at 1000Hz Distortion : 5% at 100~3500Hz(MAX.)
PTT SWITCH	Operating pressure : 0.9kgf~1.8kgf Durability : 2 Million(MIN.)
CONNECTOR (YH U-229/U)	Insulation resistance : over 5000MΩ(DC500V±50V) Dielectric withstanding voltage : AC1000V in 5sec. Contact resistance : 40mΩ (MAX.) Durability : over 1500times(30times/min.)

HANDSET (H-930K)



Specifications

MICROPHONE	Frequency response : over $-56\text{dBm}(0.63\text{mV}/150\text{Q})$ at 1000Hz, 2.8Pa(28dyne/cm ²) Impedance : $150\text{Q} \pm 22.5\text{Q}$ at 1000Hz Distortion : 5% at 300~4000Hz(MAX.)
EARPHONE	Frequency response : 104dB at 20~3500Hz(MIN.), 110dB at 3500~9000Hz(MAX.) Impedance : $1000\text{Q} \pm 100\text{Q}$ at 1000Hz Distortion : 5% at 100~3500Hz(MAX.)
PTT SWITCH	Operating pressure : 0.9kgf~1.8kgf Durability : 2 Million(MIN.)
CONNECTOR (YH U-329/U)	Insulation resistance : over 5000MΩ(DC500V±50V) Dielectric withstanding voltage : AC1000V in 5sec. Contact resistance : 40mΩ (MAX.) Durability : over 1500times(30times/min.)

Electronic Devices

HANDSET (TA-512K)



Specifications

PURPOSE	Modification type of H-1189K, Component of TA-512K
MICROPHONE	Frequency response : -56dBm at 1000Hz(MIN.) Impedance : $150\text{Q} \pm 20\%$ at 1000Hz(20°C) Insulation resistance : 50MΩ(MIN.) Distortion : 5% at 300~3500Hz(MAX.)
EARPHONE	Frequency response : $118.5 \pm 2.5\text{dB}$ at 1.1V Pressure,1000Hz Impedance : $300\text{Q} \pm 25\%$ at 1000Hz(20°C) Insulation resistance : 10MΩ(MIN.) Distortion : 5% at 300~3500Hz(MAX.)
PTT SWITCH	Operating pressure : 1.0kgf(MAX.) Durability : over 500 thousand(I time/sec.)

HANDSET (H-1189K)



Specifications

MICROPHONE	Frequency response : -56dBm at 1000Hz(MIN.) Impedance : $150\text{Q} \pm 20\%$ at 1000Hz(20°C) Insulation resistance : 50MΩ(MIN.) Distortion : 5% at 300~3500Hz(MAX.)
EARPHONE	Frequency response : $118.5 \pm 2.5\text{dB}$ at 1.1V Pressure,1000Hz Impedance : $300\text{Q} \pm 25\%$ at 1000Hz(20°C) Insulation resistance : 10MΩ(MIN.) Distortion : 5% at 300~3500Hz(MAX.)
PTT SWITCH	Operating pressure : 1.0kgf(MAX.) Durability : over 500 thousand(I time/sec.)

Electronic Devices

HANDSET (H-940K)



Specifications

OUTLINE	DTMF System adapted in H-930K, Remote control of main equipment, the two-way features of voice
FIGURE	HANDSET BODY, MICROPHONE, EARPHONE, PTT SWITCH, DTMF, DIAL-PAD(3X15 DIGIT)
SIZE & WEIGHT	145.8X48mm, 350g
ELECTRICAL CHARACTERISTIC	Audio signal : PTT Type
	Control signal : DTMF(FULL DUPLEX)
	Input power : +5V DC
ENVIRONMENTAL FACTORS	Insulation resistance : 10M Ω (MIN.) among contacts
	Storage temperature : -55°C~+70°C(MIL-STD-810C)
	Operating temperature : -40°C~+65°C(MIL-STD-810C)
	Immersion : 914.4 \pm 127mm(MIL-STD-810C)
	Humidity : 288hrs, in 94% of humidity(MIL-STD-810C)
	Shaking, Falling impact, Atomize salt water, Overload
	Connector : YH55116/2(YH U-329/U TYPE)

HANDSET (H-950K)



Specifications

OUTLINE	Modified H-940K, Applied to the communication inside submarine.
FIGURE	HANDSET BODY, MICROPHONE, EARPHONE, PTT SWITCH, DTMF, DIAL-PAD(3X15 DIGIT)
ELECTRICAL CHARACTERISTIC	Audio signal : PTT Type
	Control signal : DTMF(FULL DUPLEX)
	Input power : +5V DC
ENVIRONMENTAL FACTORS	Insulation resistance : 10M Ω (MIN.) among contacts
	Storage temperature : -55°C~+70°C(MIL-STD-810C)
	Operating temperature : -40°C~+65°C(MIL-STD-810C)
	Immersion : 914.4 \pm 127mm(MIL-STD-810C)
	Humidity : 288hrs, in 94% of humidity(MIL-STD-810C)
	Shaking, Falling impact, Atomize salt water, Overload
	Connector : YH27467T11B98SN

Electronic Devices

HANDSET (H-385K)



Specifications

SPEAKER	Impedance : 40 Ω \pm 15% at 1000Hz(20°C)
	Maximum allowable input : 0.5W
	Minimum resonance frequency : 500Hz \pm 20%(1V)
MICROPHONE	Output sound pressure : 88 \pm 3dB
	Impedance : 3500 Ω (1kHz) \pm 20%
	DC resistance : 630 Ω \pm 15%



Electronic Devices

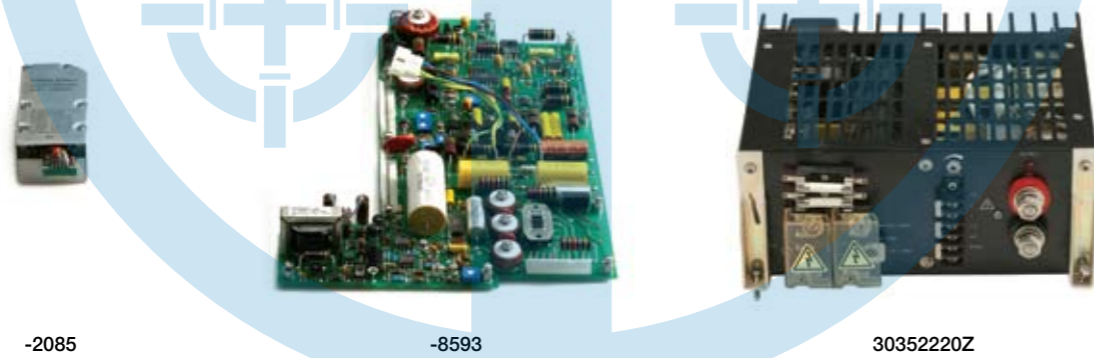
WATERPROOF TERMINAL BOX



Specifications

PURPOSE	Waterproof Terminal Box for WD-1/TT(12lines) underground or on the ground in the battle field or semi-permanent facilities.
	Size : 370×179×87
	Structure: 19 items, 30 pieces

P.C.B (ARMY)



Specifications

Part Number	6130-01-256-2085 POWER SUPPLY	Applied devices : RADIO(AN/ARC-164) for Helicopter Function : The power supply to operate the AN/ARC-164
	5998-37-503-8593 CIRCUIT CARD ASS'Y	Applied devices : RF-2301 Function : The Circuit Card to make power for RF-2301
	30352220Z POWER SUPPLY	Applied devices : RAZIT Function : The power supply to make power for RAZIT

Electronic Devices

P.C.B (NAVY)



Specifications

Part Number	5958-01-062-4421 CIRCUIT CARD ASS'Y	Applied devices : GYROCOMPASS for Naval vessels(AN-WSN-2) Function : Indicate condition of Naval vessels while on sailing with GYROCOMPASS for marine(AN-WSN-2)
	5998-01-062-4422 CIRCUIT CARD ASS'Y	Applied devices : GYROCOMPASS for Naval vessels(AN-WSN-2) Function : Make power for GYROCOMPASS of Naval vessels(AN-WSN-2)
	5998-37-A08-2197	Applied devices : BREDA 40mm Single gun
	CIRCUIT CARD ASS'Y	Function : Use for 40mm Gun of a warship, Control of a moter for High-angle or array of gun

P.C.B (AIR FORCE)



Specifications

Part Number	5950-00-320-6258 TRANSFORMER	Applied devices : PITTO Tube(F-5E) Function : It is a transformer changing main power to operate PITTO Tube
	5996-01-139-2843 AUDIO FREQUENCY AMPLIFIER (FOR SPEAKER)	Applied devices : communication set in cockpit(F-5E, F-16C/D) Function : Using the communication set in cockpit(F-5E, F-16C/D), Amplifying Voice signal to speaker in a flight
	5996-00-880-3562 AUDIO FREQUENCY AMPLIFIER (FOR HEADSET)	Applied devices : communication set in cockpit(F-5E, F-16C/D) Function : Using the communication set in cockpit(F-5E, F-16C/D), Amplifying Voice signal to headset of pilot





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