

717-06030-00128

DATE : 1999. 4. 14

To: Angela Tang

Fr: Blandre-107 8/1

2 of 10

(fr P.2 to P.10)

SPECIFICATION

RF spec for RS7885 + 4P108K (S/A) Att 9 pages.

PRODUCT : RF UNIT

MODEL NAME : RU0902B18HKB

APPROVED	CHECKED	WRITTEN

SAMSUNG ELECTRO-MECHANICS CO., LTD.

● Head Office & Sales Dept.

314, Maetan 3 Dong, Paldal-Ku, Suwon,
Kyungki-Do, Korea

TEL : +82+331+210-6208, 6525

FAX : +82+331+210-3165

● Hongkong Office

31/F., The Center, 99 Queen's Road Central,
Hong Kong

Tel 2862 6340, 6354

Fax 2862 6362-6364

1. GENERAL DESCRIPTION

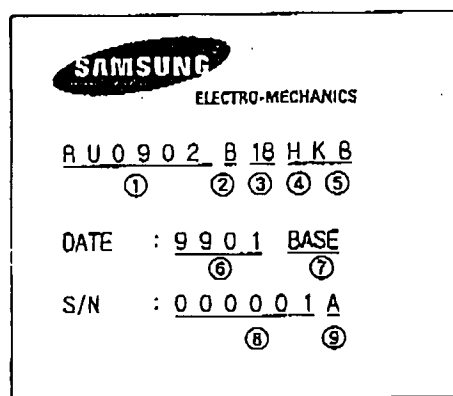
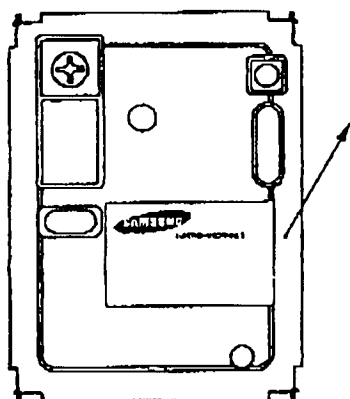
1.1 Features

This RU0902B18HK8 is a RF(Radio Frequency) UNIT for 900MHz band(ISM BAND) cordless telephone . As a FULL DUPLEX system. It performs transmission and reception through the ANTENNA of the module. It has 40 channels with 50KHz channel spacing.

1.2 General Specifications

NO	Items	Specification
1	Tx Frequency	902.80 ~ 904.75MHz
2	Rx Frequency	925.30 ~ 927.25MHz(Upper Heterodyne)
3	Channel Number Channel Separation	40CH Full Duplex 50KHz
4	1st IF	10.7MHz
5	2nd IF	450KHz
6	2nd Local	10.25MHz
7	Modulation	FM
8	Standard Test Modulation	Modulation Frequency : 1KHz Standard Deviation : 6KHz
9	Temperature Range	Operating : 0°C to +45°C Storage : -20°C to +70°C
10	Power Supply Current	TX and RX : 80mA RX : 45mA
11	Nominal Power Supply Voltage Power Supply Voltage Range	Base : 3.6VDC Portable : 3.6VDC Base : 3.3 to 5.0VDC Portable : 3.3 to 5.0VDC
12	Antenna Impedance	50 ohm

1.3 MARKING



- ① MODEL NAME
- ② BASE SET
- ③ PRODUCT SIZE (18CC)
- ④ A SIMPLIFIED
NATION CHARACTER
- ⑤ SERIES TYPE
- ⑥ YEAR & WEEK MADE
- ⑦ BASE SET
- ⑧ SERISE NO.
- ⑨ PRODUCT LINE

A-13-0716(88.10) AR VP

REV	10	PAGE	1
-----	----	------	---

SAMSUNG ELECTRO-MECHANICS CO., LTD.

2. ELECTRICAL SPECIFICATION

※ Test with HP8920A Communication Test Set

Tx Specification

Test Condition : Room Temperature/Nominal Power Supply Voltage

NO.	Items	Specification	Condition
1	Frequency Tolerance	$\leq \pm 8$ ppm	0 to +45°C. <u>NO Mod.</u>
		$\leq \pm 4$ ppm	25 $\pm$ 3°C. <u>NO Mod.</u>
2	Tx Power	-0.5dBm +3/-3dB	SETTING : 20 CH. <u>NO Mod.</u>
3	Deviation	6KHz $\pm$ 2.5KHz	Modulation Frequency : 1KHz Level : -18dBm
4	Modulation S/N	≤ 40 dB	CCITT ON
5	Spurious Emissions (FCC : Radiation Test)	≤ -67 dBm ≤ -64 dBm ≤ -61 dBm ≤ -53 dBm	25 KHz ~ 88MHz 88 MHz ~ 216MHz 216 MHz ~ 1GHz 1 GHz 以上
6	PLL Lock Up Time	Typ: 15mS Max: 25mS	PLL IC:HIGH SPEED MODE (ADJACENT CHANNEL SELECT)

Rx Specification

Test Condition : Room Temperature/Nominal Power Supply Voltage/CCITT Filter ON

NO.	Items	Specification	Condition
1	Receiving Sensitivity	≤ -110	12dB SINAD. ※TYP 20dB SINAD
2	Demodulation S/N	≥ 43 dB	6KHz Deviation RF Input Level: -60dBm
3	Distortion	$\leq 3\%$	The Same Condition Item 2
4	Noise Detect Sensitivity	-114dBm $\pm$ 6dB	
5	Audio Output Level	-12 dBm $\pm$ 2dB	The Same Condition Item 2
6	Adjacent Channel Rejection	≥ 30 dB	2 Signal Method UNDESIRE SIGNAL INPUT FREQ.: +50KHz (OR -50KHz)
	Image Rejection	≥ 25 dB	
7	Intermodulation Rejection	≥ 40 dB	3 Signal Method UNDESIRE SIGNAL INPUT FREQ.: +50KHz.+100KHz (OR -50KHz,-100KHz)
8	PLL Lock Up Time	Typ: 15mS Max: 25mS	PLL IC:HIGH SPEED MODE (ADJACENT CHANNEL SELECT)
9	Carrier Detect Time	Typ: 20mS Max: 40mS	The Same Condition Item 8

A-13-0716(88.10) AR VP

REV 0 PAGE 2

SAMSUNG ELECTRO-MECHANICS CO., LTD.

※ RX TEST CONDITION of No.6 & No.7

No.6

DESIRE: INPUT LEVEL SINAD 20dB POINT, 1KHz MOD, 6KHz DEV

UNDESIRE: INPUT LEVEL SINAD 12dB POINT, 400Hz MOD, 6KHz DEV

No.7

DESIRE: INPUT LEVEL SINAD 20dB POINT, 1KHz MOD, 6KHz DEV

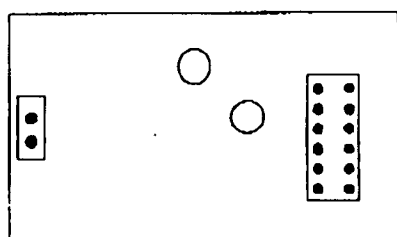
UNDESIRE 1: INPUT FREQ. +50KHz(OR -50KHz),

INPUT LEVEL SINAD 12dB POINT

UNDESIRE 2: INPUT FREQ. +100KHz(OR -100KHz),

INPUT LEVEL SINAD 12dB POINT, 400Hz MOD, 6KHz DEV

3. PIN DESCRIPTION



BOTTOM VIEW

AF_IN	1	●	●	2	B+
RX_VCC	3	●	●	4	LDT
DATA	5	●	●	6	CLOCK
CE	7	●	●	8	TX_VCC
GND	9	●	●	10	C/S
AF_OUT	11	●	●	12	NC

PIN NO.	PIN NAME	I/O	NOTE
1	AF_IN	I	MODULATION VOICE INPUT
2	B+	I	OPERATING VOLTAGE INPUT
3	RX_VCC	I	RX PART CONTROL, ACTIVE "L"
4	LDT	O	LOCK DETECTION OUTPUT, ACTIVE "H"
5	DATA	I	PLL DATA
6	CLOCK	I	PLL CLOCK
7	CE	I	PLL ENABLE
8	TX_VCC	I	TX PART CONTROL, ACTIVE "L"
9	GND	-	COMMON GND
10	C/S	O	CARRIER SENSE OUTPUT, ACTIVE "L"
11	AF_OUT	O	DEMODULATION AUDIO OUTPUT
12	NC	-	NO CONNECTION

4. FREQUENCY TABLE

77-0100B3-00128
6 of 10

CH NO	BASE			HAND		
	RX	LOCAL	TX	RX	LOCAL	TX
CH1	925.30	936.00	902.80	902.80	892.10	925.30
CH2	925.35	936.05	902.85	902.85	892.15	925.35
CH3	925.40	936.10	902.90	902.90	892.20	925.40
CH4	925.45	936.15	902.95	902.95	892.25	925.45
CH5	925.50	936.20	903.00	903.00	892.30	925.50
CH6	925.55	936.25	903.05	903.05	892.35	925.55
CH7	925.60	936.30	903.10	903.10	892.40	925.60
CH8	925.65	936.35	903.15	903.15	892.45	925.65
CH9	925.70	936.40	903.20	903.20	892.50	925.70
CH10	925.75	936.45	903.25	903.25	892.55	925.75
CH11	925.80	936.50	903.30	903.30	892.60	925.80
CH12	925.85	936.55	903.35	903.35	892.65	925.85
CH13	925.90	936.60	903.40	903.40	892.70	925.90
CH14	925.95	936.65	903.45	903.45	892.75	925.95
CH15	926.00	936.70	903.50	903.50	892.80	926.00
CH16	926.05	936.75	903.55	903.55	892.85	926.05
CH17	926.10	936.80	903.60	903.60	892.90	926.10
CH18	926.15	936.85	903.65	903.65	892.95	926.15
CH19	926.20	936.90	903.70	903.70	893.00	926.20
CH20	926.25	936.95	903.75	903.75	893.05	926.25
CH21	926.30	937.00	903.80	903.80	893.10	926.30
CH22	926.35	937.05	903.85	903.85	893.15	926.35
CH23	926.40	937.10	903.90	903.90	893.20	926.40
CH24	926.45	937.15	903.95	903.95	893.25	926.45
CH25	926.50	937.20	904.00	904.00	893.30	926.50
CH26	926.55	937.25	904.05	904.05	893.35	926.55
CH27	926.60	937.30	904.10	904.10	893.40	926.60
CH28	926.65	937.35	904.15	904.15	893.45	926.65
CH29	926.70	937.40	904.20	904.20	893.50	926.70
CH30	926.75	937.45	904.25	904.25	893.55	926.75
CH31	926.80	937.50	904.30	904.30	893.60	926.80
CH32	926.85	937.55	904.35	904.35	893.65	926.85
CH33	926.90	937.60	904.40	904.40	893.70	926.90
CH34	926.95	937.65	904.45	904.45	893.75	926.95
CH35	927.00	937.70	904.50	904.50	893.80	927.00
CH36	927.05	937.75	904.55	904.55	893.85	927.05
CH37	927.10	937.80	904.60	904.60	893.90	927.10
CH38	927.15	937.85	904.65	904.65	893.95	927.15
CH39	927.20	937.90	904.70	904.70	894.00	927.20
CH40	927.25	937.95	904.75	904.75	894.05	927.25

A-13-0716(88.10) AR VP

REV	0	PAGE	4
-----	---	------	---

SAMSUNG ELECTRO-MECHANICS CO., LTD.

5. PLL CHANNEL SELECTION OPERATING DATA

5.1 Input data

(1) Setting RX-PLL division data (BASE基準)

MSB																LSB		
H	L	D ₁₆	D ₁₅	D ₁₄	D ₁₃	D ₁₂	D ₁₁	D ₁₀	D ₉	D ₈	D ₇	D ₆	D ₅	D ₄	D ₃	D ₂	D ₁	D ₀

$$N = D_{16} \cdot 2^{16} + D_{15} \cdot 2^{15} + D_{14} \cdot 2^{14} + \dots + D_1 \cdot 2^1 + D_0 \cdot 2^0$$

$$= ((f_{RX} + 10.7) \cdot 10^6) / 12.5 \cdot 10^3$$

$$= 74880 \sim 75036$$

f_{RX} : Frequency of RX — 925.3000~927.2500MHz

(2) Setting TX-PLL division data

MSB																LSB		
L	H	D ₁₆	D ₁₅	D ₁₄	D ₁₃	D ₁₂	D ₁₁	D ₁₀	D ₉	D ₈	D ₇	D ₆	D ₅	D ₄	D ₃	D ₂	D ₁	D ₀

$$N = D_{16} \cdot 2^{16} + D_{15} \cdot 2^{15} + D_{14} \cdot 2^{14} + \dots + D_1 \cdot 2^1 + D_0 \cdot 2^0$$

$$= f_{TX} / 12.5 \cdot 10^3$$

$$= 72224 \sim 72380$$

f_{TX} : Frequency of TX — 902.8000~904.7500MHz

【For example】

IF setting TX-PLL division data 902.8000MHz

$$902.1000 \cdot 10^6 / 12.5 \cdot 10^3 = (72224)_{10} = (100011010001000000)_2$$

L	H	D ₁₆	D ₁₅	D ₁₄	D ₁₃	D ₁₂	D ₁₁	D ₁₀	D ₉	D ₈	D ₇	D ₆	D ₅	D ₄	D ₃	D ₂	D ₁	D ₀
L	H	H	L	L	L	H	H	L	H	L	L	L	H	L	L	L	L	L

(3) Setting Reference division data

MSB													
H	H	D ₁₁	D ₁₀	D ₉	D ₈	D ₇	D ₆	D ₅	D ₄	D ₃	D ₂	D ₁	D ₀

$$N = D_{11} \cdot 2^{11} + D_{10} \cdot 2^{10} + D_9 \cdot 2^9 + \dots + D_1 \cdot 2^1 + D_0 \cdot 2^0$$

$$= 1640 \text{ (Fixed)}$$

【Setting】

$$N = (1640)_{10} = (011001101000)_2$$

H	H	D ₁₁	D ₁₀	D ₉	D ₈	D ₇	D ₆	D ₅	D ₄	D ₃	D ₂	D ₁	D ₀
H	H	L	H	H	L	L	H	H	L	H	L	L	L

(4) Setting options

MSB

L	L	D ₁₁	D ₁₀	D ₉	D ₈	D ₇	D ₆	D ₅	D ₄	D ₃	D ₂	D ₁	D ₀
---	---	-----------------	-----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------

D₂, D₃, D₅, D₆: Charge pump drive bits

D ₆	D ₅	RX-PLL Charge pump drive	D ₃	D ₂	TX-PLL Charge pump drive
L	L	±100μA	L	L	±100μA
H	L	±200μA	H	L	±200μA
L	H	±400μA	L	H	±400μA
H	H	±800μA	H	H	±800μA

D₁₁: RX loop filter control bit

D ₁₁	Loop filter at RX
L	For high speed
H	For normal operations

*CAUTION: Setting options in the electrical specifications

Operating mode	D ₁₁	D ₆	D ₅	D ₃	D ₂
High speed mode	L	H	H	H	H
Others	H	L	L	L	L

D₄, D₇, D₈: Operating control bits

D ₈	D ₇	D ₄	Reference	RX-PLL	TX-PLL
X	L	L	ON	ON	ON
X	L	H	ON	ON	STAND-BY
X	H	L	ON	STAND-BY	ON
L	H	H	ON	STAND-BY	STAND-BY
H	H	H	STAND-BY	STAND-BY	STAND-BY

D₀, D₁, D₉, D₁₀: Fixed bits

D ₁₀	D ₉	D ₁	D ₀
L	H	L	L

[For example]

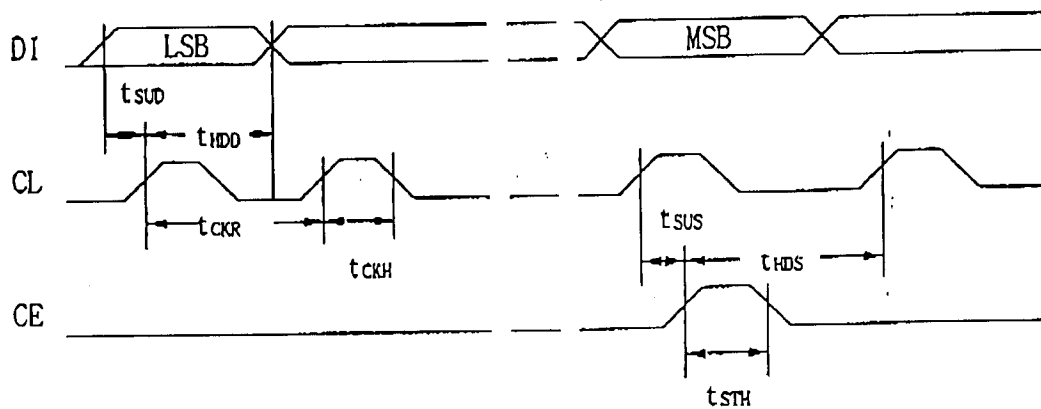
If setting options for normal operating mode

L	L	D ₁₁	D ₁₀	D ₉	D ₈	D ₇	D ₆	D ₅	D ₄	D ₃	D ₂	D ₁	D ₀
L	L	H	L	H	L	L	L	L	L	L	L	L	L

7.7-01030-0028
8 of 10

5.2 Timing chart

7.7-0003-0012f
P of 10

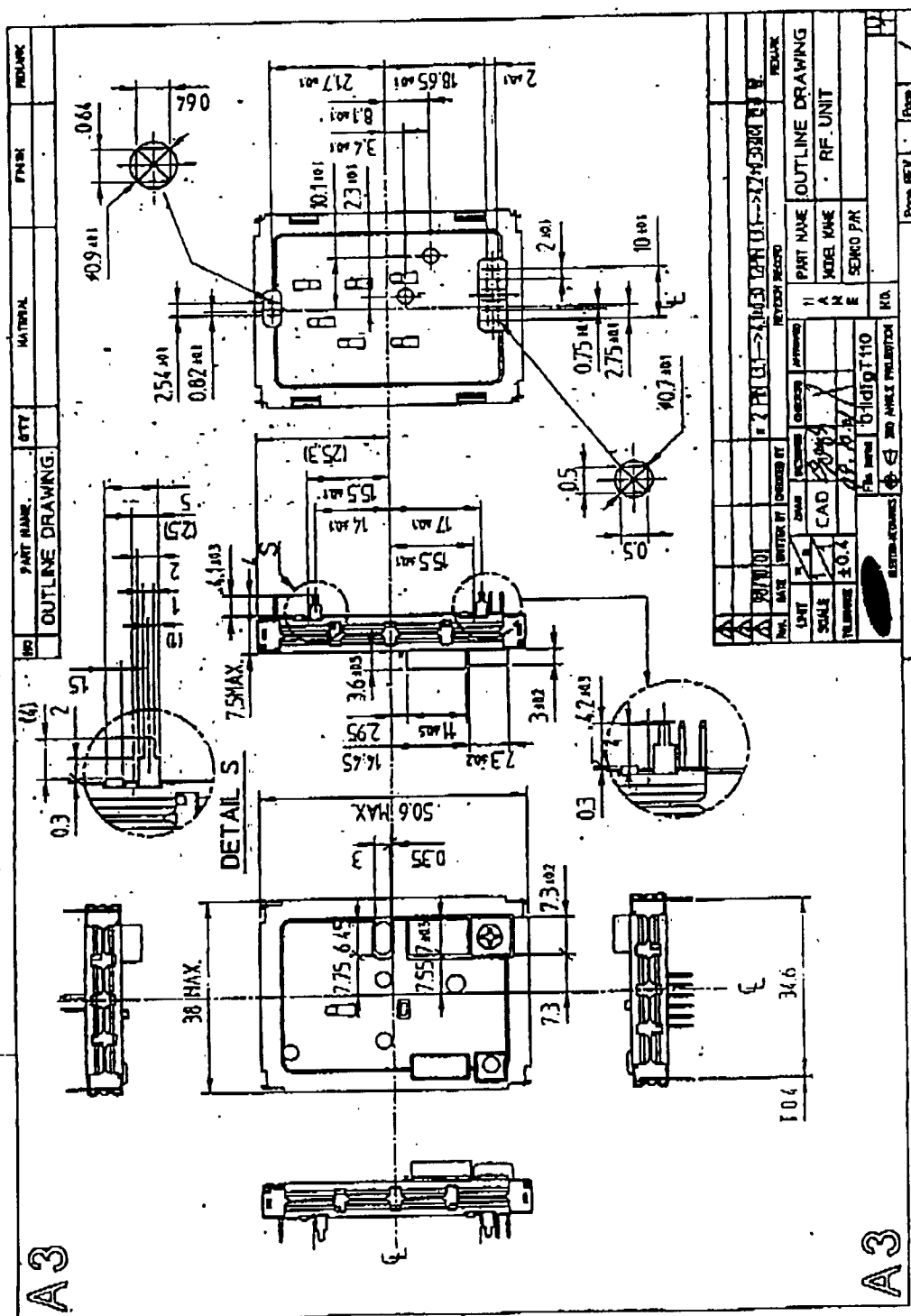


Items	Symbols	Electronic characteristics
Set up time of "DI"	t_{SUD}	$t_{SUD} \geq 0.1\mu s$
Hold time of "DI"	t_{HDD}	$t_{HDD} \geq 1.0\mu s$
Rate of "CL"	t_{CKR}	$t_{CKR} \geq 5.0\mu s$
High level time of "CL"	t_{CKH}	$t_{CKH} \geq 1.0\mu s$
Set up time of "CE"	t_{SUS}	$t_{SUS} \geq 0.1\mu s$
Hole time of "CE"	t_{HDS}	$t_{HDS} \geq 1.0\mu s$
High level time of "CE"	t_{STH}	$t_{STH} \geq 1.0\mu s$

5.3 Input voltage(DI, CL, CE)

Input	min.	max.
"H" level	2.5V	5.0V
"L" level	-0.2V	0.5V

77-6030-20/28
1. of 10



SAMSUNG ELECTRO-MECHANICS CO., LTD.

7.7-01010-00140

To: Angela Tang

2 of 7
DATE: 2000.09.18

From: Blanche - 107 8/

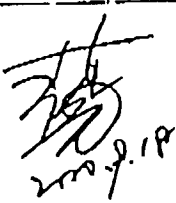
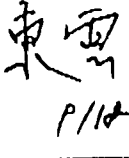
(fm P.2 to P.7)

SPECIFICATION

RF Spec for RS988S & HP128R (4/5) HR 6 pages

PRODUCT : RF UNIT

MODEL NAME : RU0926H14HAA

APPROVED	CHECKED	WRITTEN
 P.18	 P.18	 P.18

SAMSUNG ELECTRO-MECHANICS CO., LTD.

- Head Office & Sales Dept.
314, Maetan 3 Dong, Paldal-Ku, Suwon.
Kyungki-Do, Korea
TEL : +82+31+210-6945
FAX : +82+31+210-6554

- Hongkong Office
65/F, Central Plaza, 18 Harbour Road
Wanchai, Hongkong, China
TEL : (852)2862-6331-2
FAX : (852)2862-6348-9

707-0102110-0140.
397

1. GENERAL DESCRIPTION

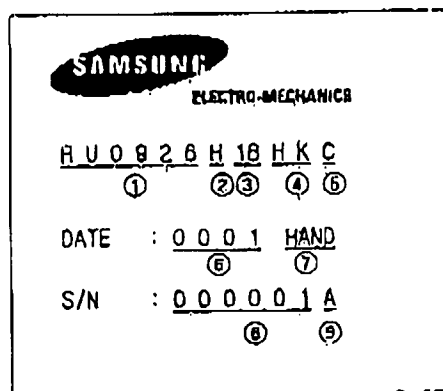
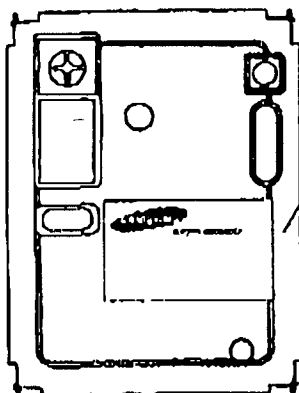
1.1 Features

This RU0926H14HAA is a RF(Radio Frequency) UNIT for 900MHz band(ISM BAND) cordless telephone . As a FULL DUPLEX system. It performs transmission and reception through the ANTENNA of the module. It has 40 channels with 50KHz channel sapcing.

1.2 General Specifications

NO	Items	Specification
1	Tx Frequency	925.30 ~ 927.25MHz
2	Rx Frequency	902.80 ~ 904.75MHz (Lower Heterodyne)
3	Channel Number Channel Separation	40CH Full Duplex 50KHz
4	1st IF	10.7MHz
5	2nd IF	450KHz
6	2nd Local	10.25MHz
7	Modulation	FM
8	Standard Test Modulation	Modulation Frequency : 1KHz Standard Devlatjon : 6KHz
9	Temperature Range	Oprrating : 0°C to +45°C Storage : -20°C to +70°C
10	Power Supply Current	TX and RX : 80mA RX : 50mA
11	Nominal Power Supply Voltage Power Supply Voltage Range	Base : 3.6VDC Portable : 3.6VDC Base : 3.3 to 5.0VDC Portable : 3.3 to 5.0VDC
12	Antenna Impedance	50 ohm

1.3 MARKING



- ① MODEL NAME
- ② HAND SET
- ③ PRODUCT SIZE (14CC)
- ④ A SIMPLIFIED
NATION CHARACTER
- ⑤ SERIES TYPE
- ⑥ YEAR & WEEK MADE
- ⑦ HAND SET
- ⑧ SERISE NO.
- ⑨ PRODUCT LINE

A-13-0716(88.10) AR VP

REV	0	PAGE	1
-----	---	------	---

SAMSUNG ELECTRO-MECHANICS CO., LTD.

707-0700140-00140.
4 of 7

2. ELECTRICAL SPECIFICATION

* Test with HP8920A Communication Test

Tx Specification			
Test Condition : Room Temperature/Nominal Power Supply Voltage			
NO.	Items	Specification	Condition
1	Frequency Tolerance	$\leq \pm 8 \text{ ppm}$	0 to +45°C, NO Mod.
		$\leq \pm 4 \text{ ppm}$	25 ± 3°C, NO Mod.
2	Tx Power	3.0dBm ~ -2.5dBm	SETTING : 20 CH, NO Mod.
3	Deviation	6KHz ± 2.5KHz	Modulation Frequency : 1KHz Level : -18dBm
4	Modulation S/N	$\geq 40 \text{ dB}$	CCITT ON
5	Spurious Emissions (Conduction Test)	$\leq -58\text{dBm}$ $\leq -50\text{dBm}$	1 GHz 以下(1) 1 GHz 以上(1)
6	PLL Lock Up Time	Typ: 15mS Max: 25mS	PLL IC:HIGH SPEED MODE (ADJACENT CHANNEL SELECT)

Rx Specification			
Test Condition : Room Temperature/Nominal Power Supply Voltage/CCITT Filter ON			
NO.	Items	Specification	Condition
1	Receiving Sensitivity	≤ -110	12dB SINAD, *TYP 20dB SINAD
2	Demodulation S/N	$\geq 43\text{dB}$	6KHz Deviation RF Input Level: -50dBm
3	Distortion	$\leq 3\%$	The Same Condition Item 2
4	Noise Detect Sensitivity	-114dBm ± 6dB	
5	Audio Output Level	-12 dBm ± 2dB	The Same Condition Item 2
6	Adjacent Channel Rejection Image Rejection	$\geq 30\text{dB}$ $\geq 25\text{dB}$	2 Signal Method UNDESIRE SIGNAL INPUT FREQ.: +50KHz (OR -50KHz)
7	Intermodulation Rejection	$\geq 40\text{dB}$	3 Signal Method UNDESIRE SIGNAL INPUT FREQ.: +50KHz, +100KHz (OR -50KHz, -100KHz)
8	PLL Lock Up Time	Typ: 15mS Max: 25mS	PLL IC:HIGH SPEED MODE (ADJACENT CHANNEL SELECT)
9	Carrier Detect Time	Typ: 20mS Max: 40mS	The Same Condition Item 8

A-13-0716(88.10) AR VP

REV	0	PAGE	2
-----	---	------	---

SAMSUNG ELECTRO-MECHANICS CO., LTD.

717-0700140-00140
5 of 7

※ RX TEST CONDITION of No.6 & No.7

No.6

DESIRE: INPUT LEVEL SINAD 20dB POINT, 1KHz MOD, 6KHz DEV

UNDESIRE: INPUT LEVEL SINAD 12dB POINT, 400Hz MOD, 6KHz DEV

No.7

DESIRE: INPUT LEVEL SINAD 20dB POINT, 1KHz MOD, 6KHz DEV

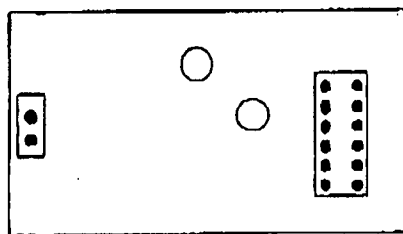
UNDESIRE 1: INPUT FREQ. +50KHz(OR -50KHz).

INPUT LEVEL SINAD 12dB POINT

UNDESIRE 2: INPUT FREQ. +100KHz(OR -100KHz).

INPUT LEVEL SINAD 12dB POINT, 400Hz MOD, 6KHz DEV

3. PIN DESCRIPTION



BOTTOM VIEW

AF_IN	1	●	●	2	B+
NC	3	●	●	4	LDT
DATA	5	●	●	6	CLOCK
CE	7	●	●	8	TX_VCC
GND	9	●	●	10	C/S
AF_OUT	11	●	●	12	NC

PIN NO.	PIN NAME	I/O	NOTE
1	AF_IN	I	MODULATION VOICE INPUT
2	B+	I	OPERATING VOLTAGE INPUT
3	NC	-	NO CONNECTION
4	LDT	O	LOCK DETECTION OUTPUT, ACTIVE "H"
5	DATA	I	PLL DATA
6	CLOCK	I	PLL CLOCK
7	CE	I	PLL ENABLE
8	TX_VCC	I	TX PART CONTROL, ACTIVE "L"
9	GND	-	COMMON GND
10	C/S	O	CARRIER SENSE OUTPUT, ACTIVE "L"
11	AF_OUT	O	DEMODULATION AUDIO OUTPUT
12	NC	-	NO CONNECTION

227-0700140-00140

6 of 7

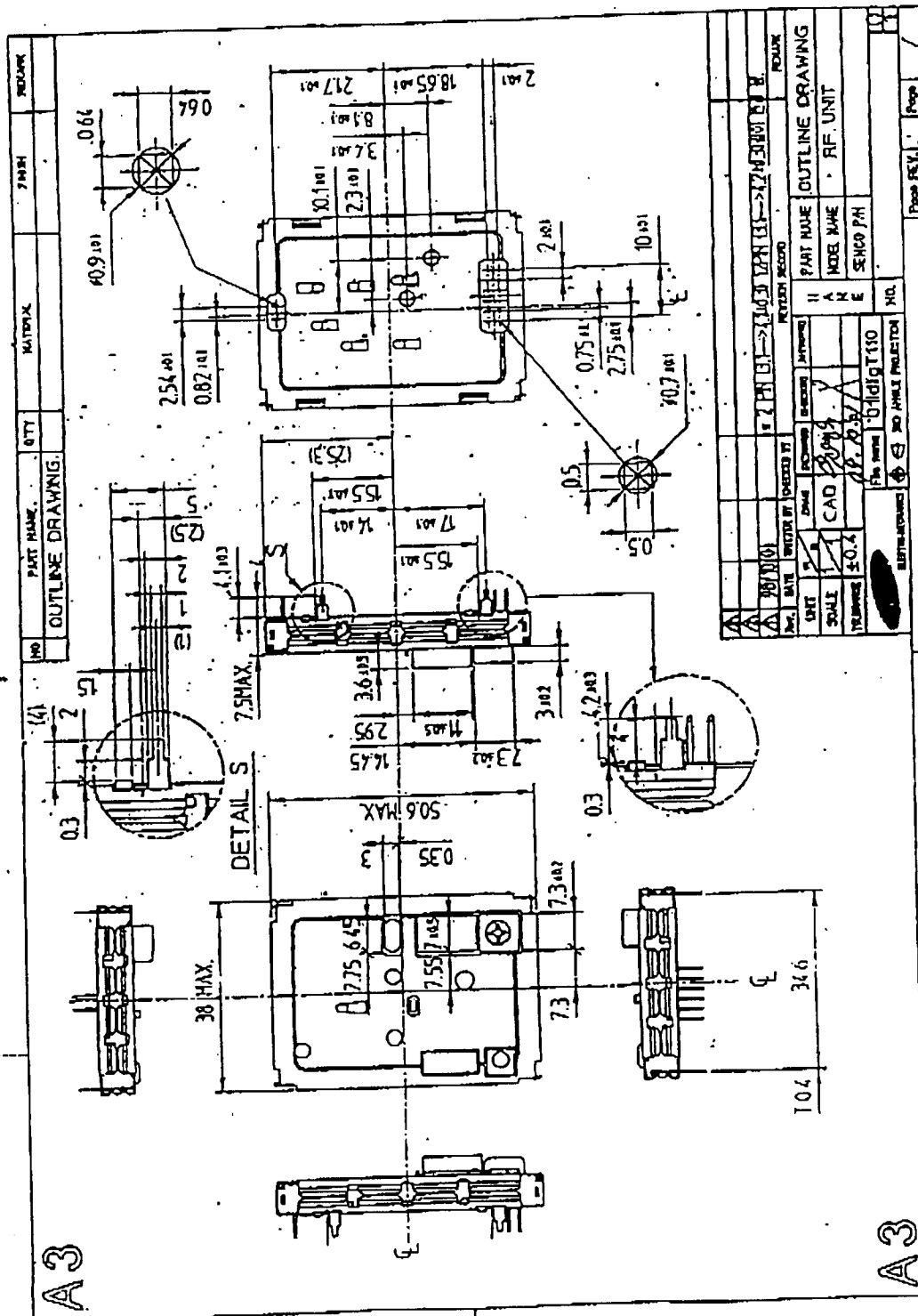
4. FREQUENCY TABLE

CH NO	BASE			HAND		
	RX	LOCAL	TX	RX	LOCAL	TX
CH1	925.30	936.00	902.80	902.80	892.10	925.30
CH2	925.35	936.05	902.85	902.85	892.15	925.35
CH3	925.40	936.10	902.90	902.90	892.20	925.40
CH4	925.45	936.15	902.95	902.95	892.25	925.45
CH5	925.50	936.20	903.00	903.00	892.30	925.50
CH6	925.55	936.25	903.05	903.05	892.35	925.55
CH7	925.60	936.30	903.10	903.10	892.40	925.60
CH8	925.65	936.35	903.15	903.15	892.45	925.65
CH9	925.70	936.40	903.20	903.20	892.50	925.70
CH10	925.75	936.45	903.25	903.25	892.55	925.75
CH11	925.80	936.50	903.30	903.30	892.60	925.80
CH12	925.85	936.55	903.35	903.35	892.65	925.85
CH13	925.90	936.60	903.40	903.40	892.70	925.90
CH14	925.95	936.65	903.45	903.45	892.75	925.95
CH15	926.00	936.70	903.50	903.50	892.80	926.00
CH16	926.05	936.75	903.55	903.55	892.85	926.05
CH17	926.10	936.80	903.60	903.60	892.90	926.10
CH18	926.15	936.85	903.65	903.65	892.95	926.15
CH19	926.20	936.90	903.70	903.70	893.00	926.20
CH20	926.25	936.95	903.75	903.75	893.05	926.25
CH21	926.30	937.00	903.80	903.80	893.10	926.30
CH22	926.35	937.05	903.85	903.85	893.15	926.35
CH23	926.40	937.10	903.90	903.90	893.20	926.40
CH24	926.45	937.15	903.95	903.95	893.25	926.45
CH25	926.50	937.20	904.00	904.00	893.30	926.50
CH26	926.55	937.25	904.05	904.05	893.35	926.55
CH27	926.60	937.30	904.10	904.10	893.40	926.60
CH28	926.65	937.35	904.15	904.15	893.45	926.65
CH29	926.70	937.40	904.20	904.20	893.50	926.70
CH30	926.75	937.45	904.25	904.25	893.55	926.75
CH31	926.80	937.50	904.30	904.30	893.60	926.80
CH32	926.85	937.55	904.35	904.35	893.65	926.85
CH33	926.90	937.60	904.40	904.40	893.70	926.90
CH34	926.95	937.65	904.45	904.45	893.75	926.95
CH35	927.00	937.70	904.50	904.50	893.80	927.00
CH36	927.05	937.75	904.55	904.55	893.85	927.05
CH37	927.10	937.80	904.60	904.60	893.90	927.10
CH38	927.15	937.85	904.65	904.65	893.95	927.15
CH39	927.20	937.90	904.70	904.70	894.00	927.20
CH40	927.25	937.95	904.75	904.75	894.05	927.25

6. OUTLINE DRAWING

77-01030-00140

7 of 7.



S-10-012 (03.05) A31420X2971

A-13-0716(88.10) AR VP

SAMSUNG ELECTRO-MECHANICS CO., LTD.