

Revision: 1

REVISION RECORD

REVISION	DESCRIPTION	Chg:By	DATA
1	add 3.1	morgan	2006/9/7

LF912U-001-0 TEST SPEC

1 PIN FUNCTION

ITEM TESTING PARAMETER				UNIT	LOW.	TYP.	HIGH.	Test depe		Imp.
1.1	RF	RF INPUT		---	---	---	---			
1.2	VCO	CONNECTED REFERENCE CRYSTAL	CH1	MHz	---	---	---			
		THD <1% (WITH 8KHz 60dB/10 OCT BPF)	CH2	MHz	---	---	---			
		RF Signal Generator (用高頻信號發生器模塊提供基準頻率測試)	CH3	MHz	---	---	---			
1.3	VCC	SUPPLY PIN		V	2.1	2.4	3.3		✓	12
1.4	L	AUDIO L OUTPUT		mV	170	190	210		✓	10
1.5	R	AUDIO R OUTPUT		mV	170	190	210		✓	11
1.6	ST	ST LED OUTPUT	LOW	V		0	0.5		✓	13
			HIGH	V	1.5	1.70			✓	13

PD QA

受控文件

2 TEST CONDITIONS

2.1	SUPPLY VOLTAGE	DC: 2.4V
2.2	RF REFERENCE INPUT.	1mV
2.3	MODULE OUTPUT	L and R OUTPUT
2.4	DEVIATION	75KHz (WITH PILOT 10%)
2.5	MODULATION FREQUENCY.	1KHz
2.6	DEVIATION	75KHz (WITH PILOT 10%)
2.7	ANTENNA DUMMY	50Ω UNBALANCED INPUT
2.8	TEMPERATURE	25°C

3 RECEIVER

ITEM TESTING PARAMETER				UNIT	MIN.	TYP.	MAX.	Test depe		Imp.
3.1	FREQUENCY TUNE RANGE			MHz	912.47	912.50	912.53		✓	4
3.2	SENSITIVITY AT 30dB S/N RATIO 75KHz DEV. (DIRECTLY READING FROM RF.GENERATOR)			uV		5	8		✓	5
3.3	THD (WITH 8KHz 60dB/10 OCT BPF)			%		0.5	1.5		✓	3
3.4	S/N RATIO (WITH IEC WEIGHTED and WITH 8KHz 60dB/10 OCT BPF)			dB	55	58		✓		1
3.5	CHANNEL SEPARATION AT 75KHz DEV.10% PILOT			dB	30	35			✓	6
3.6	CHANNEL DIFFERENCE			dB		0.5	1.0		✓	8
3.7	MAXIMUM OUTPUT HUM (WITH 8KHz 60dB 10 OCT LPF)			mV		0.3	0.6		✓	7
3.8	CURRENT DRAIN			mA	12	17	22		✓	9
3.9	OSC RF 2nd and 3rd HARMONIC(W/O ANT.& MAIN BOARD) (THE 50 OHM CABLE CONNECT TO THE ANT. PIN DIRECTLY)			dBm		-43	-39		✓	2

PD QA

UNI-ART PRECISE PRODUCTS LTD.

Prepared by: morgan	Date: 07-09-06	Description: PRODUCT SPECIFICATION	D.E.DEPT
Checked by: <i>[Signature]</i>	Date: 8/9/06	Model No: LF912U-001-0	Ref No: SPS 0474
Approved by: <i>[Signature]</i>	Date:	File Name: LF912U-001-SPEC-V1	Page: 1 of 1