

# APPROVAL SHEET

MODEL : XF-6A(L)

(又名: TDQ-6A(L))

NAME : LCD TV TUNER

此栏为客户签字栏

确认	批准

确认	批准	承认

SHENZHEN XINF A ELECTRONICS CO.,LTD

---

Add: 416 Block Hua Fa North Road,Futian Shenzhen China

Tel: (86 755)28277255

Fax: (86 755)28275813

E-mail: szxinf a@public.szptt.net.cn

<http://www.sz-xinf a.com>

## 1. FEATURES

- 1.1 Systems **PAL B/G,I,D/K & SECAM B/G, I,D/K,L/L'**
- 1.2 True 5V device (low power dissipation)
- 1.3 PLL controlled tuning
- 1.4 Frequency range from Air+CATV channel
- 1.5 True - synchronous vision IF demodulator (PLL)
- 1.6 Demodulated video output, AF sound output
- 1.7 I<sup>2</sup>C- bus control of tuning, address selection, AFC status Information ( Built-in 5-level A/D converter for AFC )
- 1.8 Small horizontally mounted metal housing.

## 2. General Specification

- 2.1 Input frequency range 48.25MHz ~863.25MHz
- 2.2 Input impedance 75OHM
- 2.3 IF frequency

SYSTEM				
	B/G	D/K	I	SECAM/L
Picture(fip)	38.9	38.9	38.9	38.9
Color(fic)	34.47	34.47	34.47	34.47
Sound(fis)	33.4	32.4	32.9	32.4

Note : [1] The oscillator frequency is above the input signal frequency.

## 3. Standard Test Conditions

- 3.1 Temperature  $25 \pm 2^{\circ}\text{C}$
- 3.2 Relative humidity  $65 \pm 5\%\text{RH}$

## 4. Electrical Specification

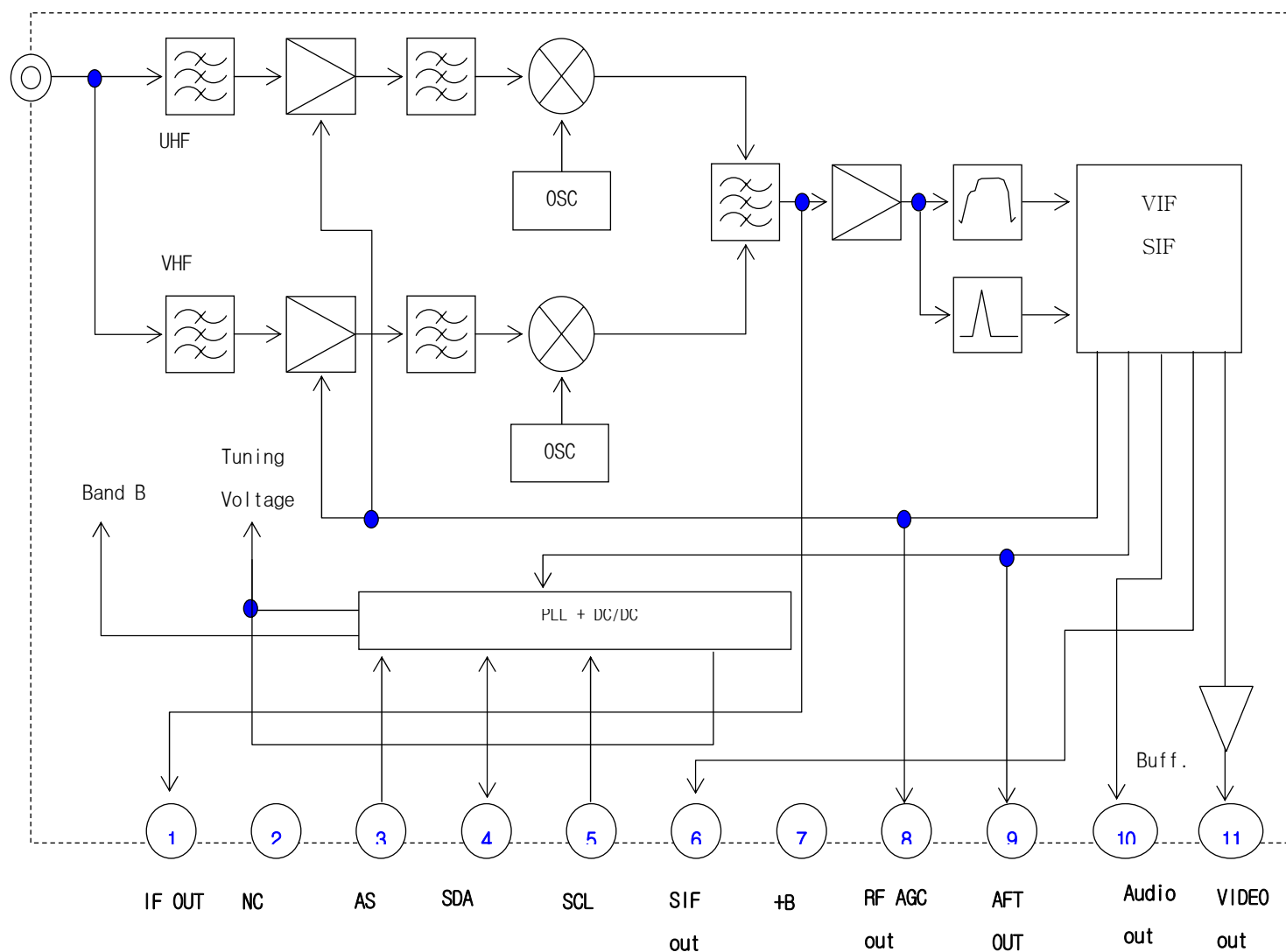
4.1	CHANNEL COVERAGE	CCIR	CHINA
	VHF Low band	48.25— 140.25MHz	49.75— 136. 25MHz
	VHF High band	147.25— 423. 25MHz	144.25— 424. 25MHz
	UHF band	431.25— 855. 25MH	432.25— 863. 25MHz

- 4.2 Supply Voltage DC:  $+5\text{V} \pm 5\%$
- 4.3 Current Consumption Typ.145mA Max.200mA
- 4.4 Operation Temperature Range  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$

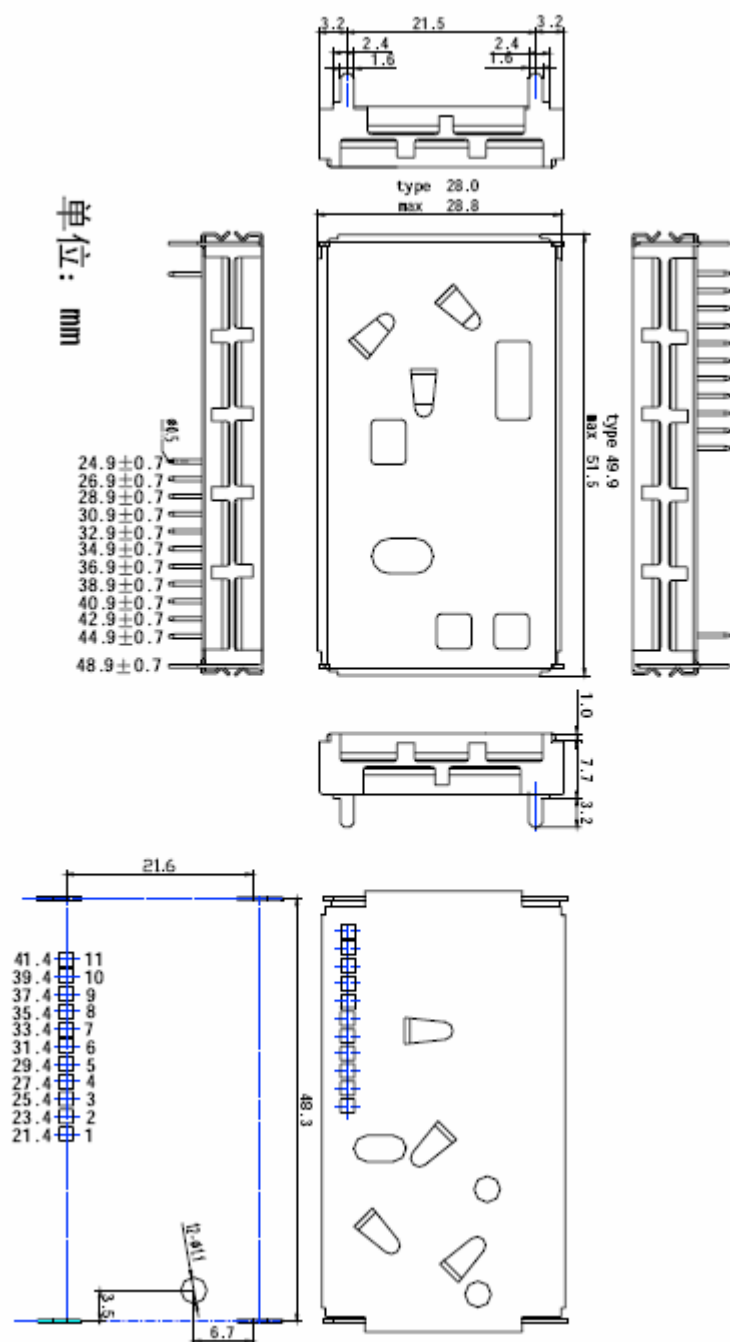
#### 4.5. PIN DESCRIPTION

SYMBOL	PIN	DESCRIPTION
IF out	1	IF out
N.C	2	Not Connected
AS	3	I <sup>2</sup> C bus address select
SDA	4	I <sup>2</sup> C bus serial data
SCL	5	I <sup>2</sup> C bus serial clock
SIF out	6	SIF out
Vcc	7	Supply voltage (+5 V)
RF AGC out	8	RF AGC out
AFT out	9	AFT out
Audio out	10	AF sound out
Video out	11	Composite video base band signal out

#### 4.6 Electrical TUNER block diagram(Fig.1)



## 7. Dimension Chart



1. IF out	2. NC	3. AS
4. SDA	5. SCL	6. SIF out
7. +B(VCC)	8. RF AGC	9. AFT out
10. Audio out	11. Video out	12. ANT