

规格书编号

**SPEC NO :**

# 产品规格书

# SPECIFICATION

CUSTOMER 客户: \_\_\_\_\_

PRODUCT 产品: **V.C.O**

MODEL NO 型号: **HDM7040**

PREPARED 编制: Zhouping CHECKED 审核: Duchuangang

APPROVED 批准: CHARLES DATE 日期: 2008-08-25

客户确认 CUSTOMER RECEIVED:		
审核 CHECKED	批准 APPROVED	日期 DATE

无锡市好达电子有限公司  
Shoulder Electronics Limited

更改历史记录  
History Record

更改日期 Date	规格书编号 Spec No	产品型号 Part No	客户产品型号 Customer No	更改内容描述 Modify Content	备注 Remark

## **1.Features**

Low Noise,

High Frequency stability

Low operating supply voltage: +5V

Operating temperature rang: -40°C~85°C

Small Size

## **2.Applications**

Frequency Modulation

Frequency Synthesizer

Phase-locked Loop

TV tuner

Spectrum Analyzer

Radar

Broadcasting Station

BaseStation

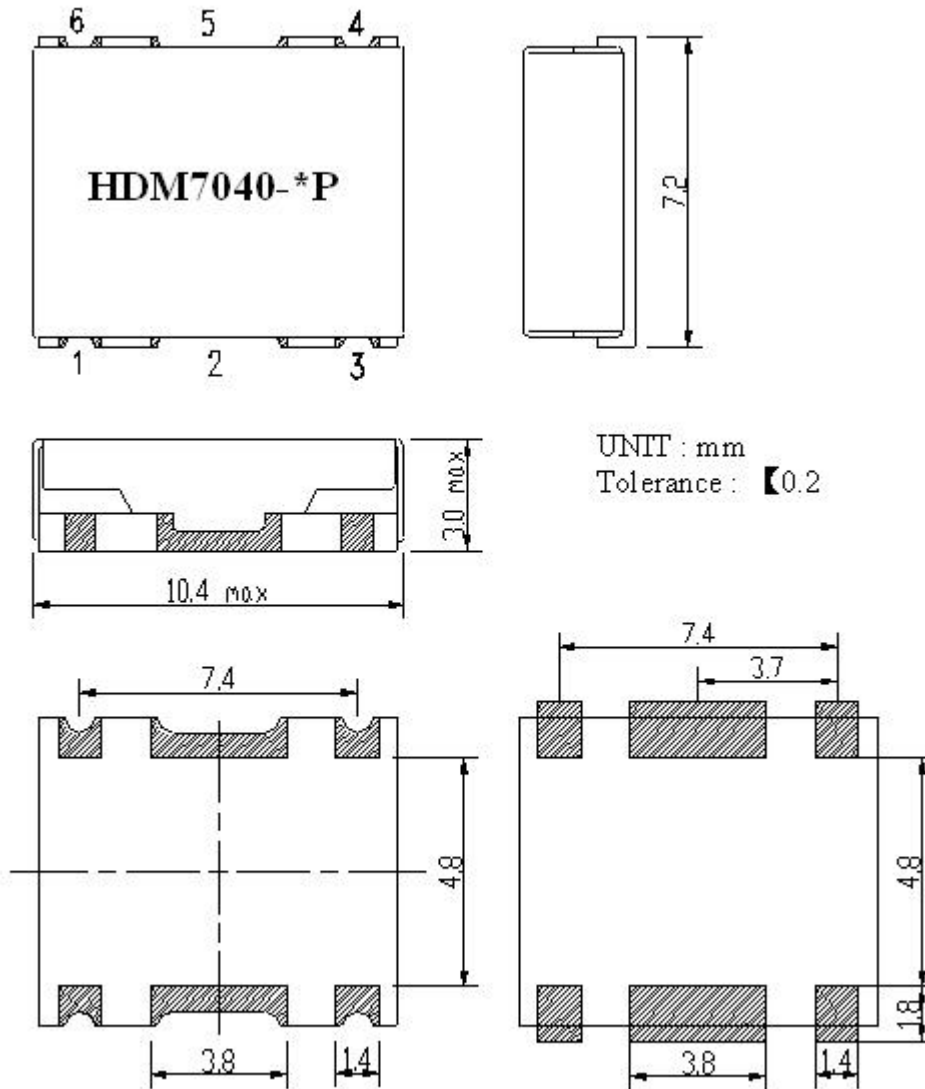
Repeater

### 3. Electrical Specification

#### Electrical Characteristics

Parameter	Min	Typ	Max	Units	Remarks
Operating Voltage ( Vcc )	4.75	5.0	5.25	Vdc	
Output Level	0			dBm	Vcc = 5.0 V
Current Consumption (Icc)			20	mA	Vcc = 5.0 V
Tuning Sensitivity(avg.)	10			MHz/V	Vt = 0.5 ~ 4.5V
Tuning Voltage (Vt)	0.5		4.5	Vdc	
Oscillation Frequency			549	MHz	Vcc = 5.0V, Vt = 2.5V
	589			MHz	Vcc = 5.0V, Vt = 2.5V
C/N ( @ 10KHz offset )			-95	dBc / Hz	Vcc = 5.0V
C/N ( @ 25 KHz offset )			-105	dBc / Hz	Vcc = 5.0V
C/N ( @ 100 KHz offset )			-120		Vcc = 5.0V
C/N ( @ 1 MHz offset )			-135		Vcc = 5.0V
Pushing Figure			±500	kHz	Vcc = 5.0V
2'nd Harmonic			-15	dBc	Vcc = 5.0V
Load Impedance		50		Ω	
Operating Temperature	-30		+85	℃	

**4. Outline Drawing**



NO	FUNCTIONS
1	Tuning Voltage
2	GND
3	Supply Voltage
4	RF OUT
5	GND
6	Audio Modulation (or NC)