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：**HDM7160**

PREPARED 编 制：Zhouping　CHECKED 审 核：Duchuangang

APPROVED 批 准：CHARLES　D A T E 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℃~85℃

Small Size

2.Applications

Frequency Modulation

Frequency Synthesizer

Phase-locked Loop

TV tuner

Spectrum Analyzer

Radar

Broadcasting Station

BaseStation

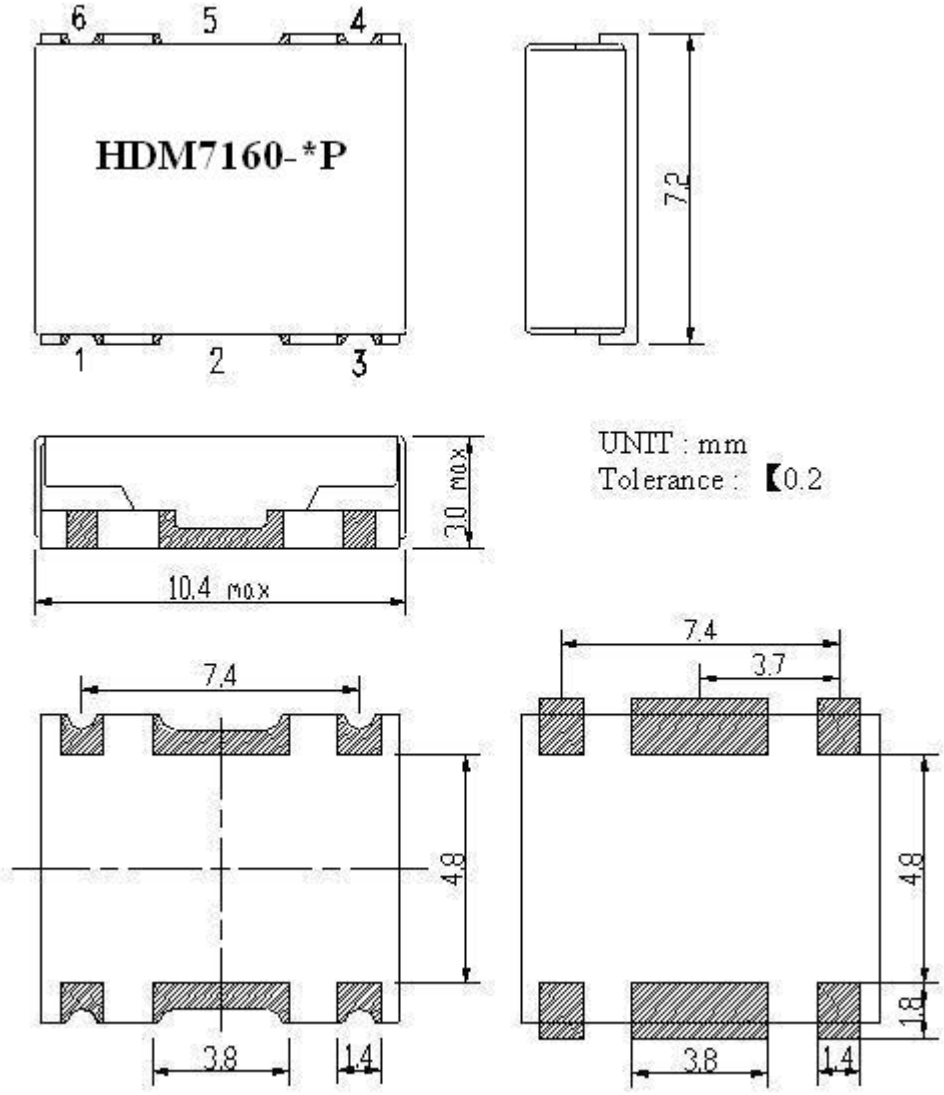
Repeater

3. Electrical Specification

Electrical Characteristics

Parameter	Min	Typ	Max	Units	Remarks
Operating Voltage (Vcc)	4.75	5.0	5.25	Vdc	
Output Level	0	3	6	dBm	Vcc = 5.0 V
Current Consumption (Icc)		16	20	mA	Vcc = 5.0 V
Tuning Sensitivity(avg.)	5			MHz/V	Vt = 0.1 ~ 5.0V
Tuning Voltage (Vt)	0.1		5.0	Vdc	
Oscillation Frequency			619	MHz	Vcc = 5.0V, Vt = 0.1V
	679			MHz	Vcc = 5.0V, Vt = 5V
C/N (@ 10KHz offset)		-100	–95	dBc / Hz	Vcc = 5.0V, Vt = 2.5V
C/N (@ 100 KHz offset)		-124	–115		Vcc = 5.0V, Vt = 2.5V
C/N (@ 1 MHz offset)		-140	–135		Vcc = 5.0V, Vt = 2.5V
Pushing Figure			±1000	kHz	Vcc = 5.0±0. 25V
2’nd Harmonic			–15	dBc	Vcc = 5.0V, Vt = 2.5V
Load Impedance		50		Ω	
Operating Temperature	–30		+70	℃	

4. Outline Drawing



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