

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: **HDM7140**

PREPARED 编制: Zhouping CHECKED 审核: Lvdezhao

APPROVED 批准: CHARLES DATE 日期: 2008-08-26

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

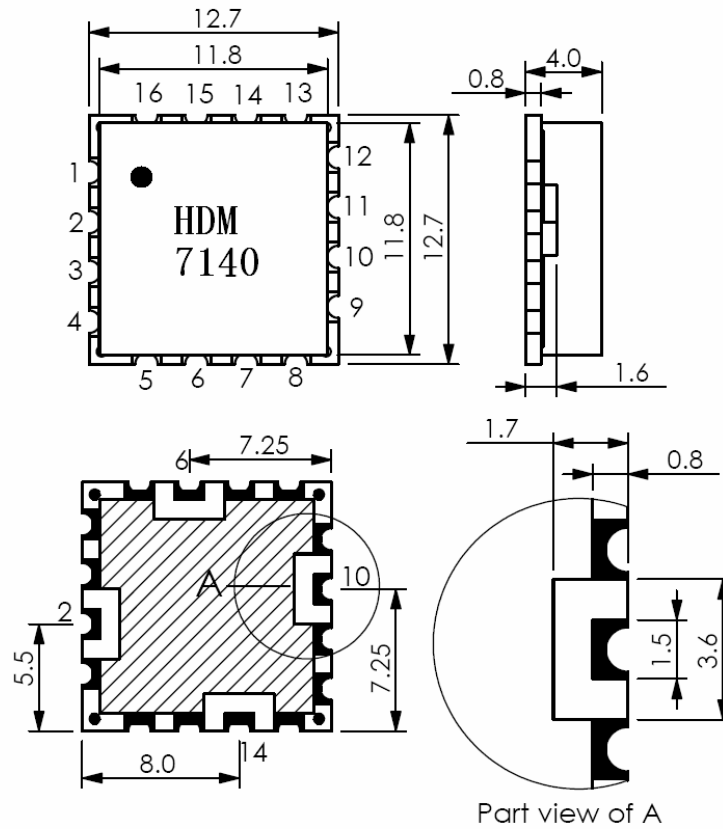
Repeater

3. Electrical Specification

Electrical Characteristics

Parameter	Min	Typ	Max	Units	Remarks
Frequency Rang:	670		750	MHz	
Tuning Voltage:					
670MHz	0.8	1		Vdc	
750MHz		4	4.2	Vdc	
Tuning Sensitivity:	20	30	35	MHz/V	
Output Power:					
-40°C to 85°C	-3.0	0	3.0	dBm	
@+25°C	-1.0		+1.0	dBm	
Output Phase Noise:					
10kHz		-105	-95	dBc/Hz	
100kHz		-120	-115	dBc/Hz	
Power Supply:	4.75	5	5.25	Volts	
Supply Current:		15	20	mA	
Harmonic Suppression:					
2nd Harmonic		-15	-10	dBc	
3rd Harmonic		-20	-15	dBc	
Spurious(Non-Harmonic)-			-85	dBc	
Frequency Pushing -4.75 -5.25V		2	3	MHz p-p	
Frequency Pulling -12 dB RL		2	5	MHz p-p	
Tuning Port Capacitance-		100		pF	
Output Impedance-		50			

4. Outline Drawing



PIN	FUNCTIONS
2	Tuning Voltage
6	NC
10	RF OUT
14	Supply Voltage
Others	GND