

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 D A T E 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

[illegible]

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

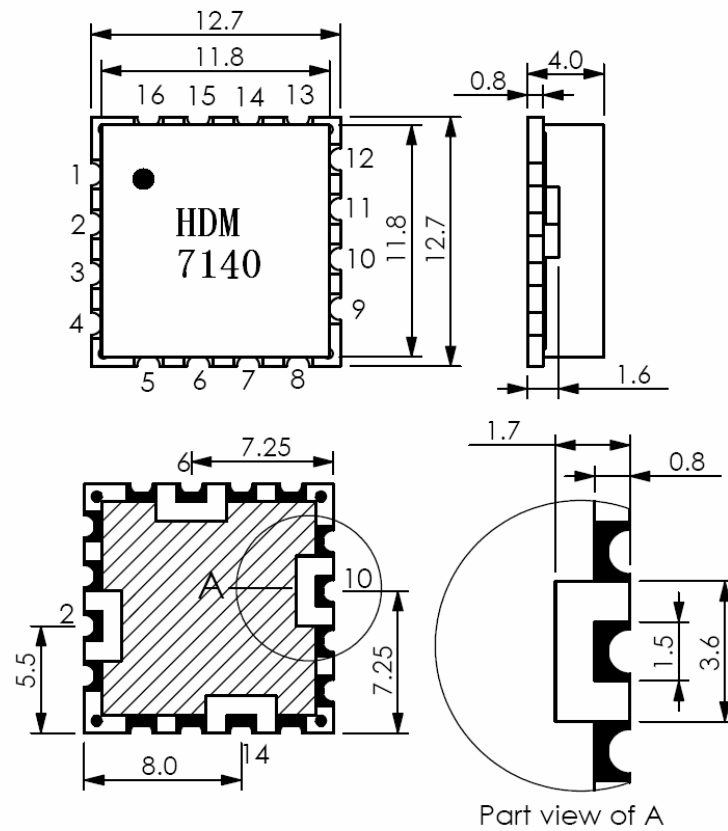
Repeater

3. Electrical Specification

Electrical Characteristics

Parameter	Min	Typ	Max	Units	Remarks
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℃ to 85℃	-3.0	0	3.0	dBm	
@+25℃	-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