

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

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

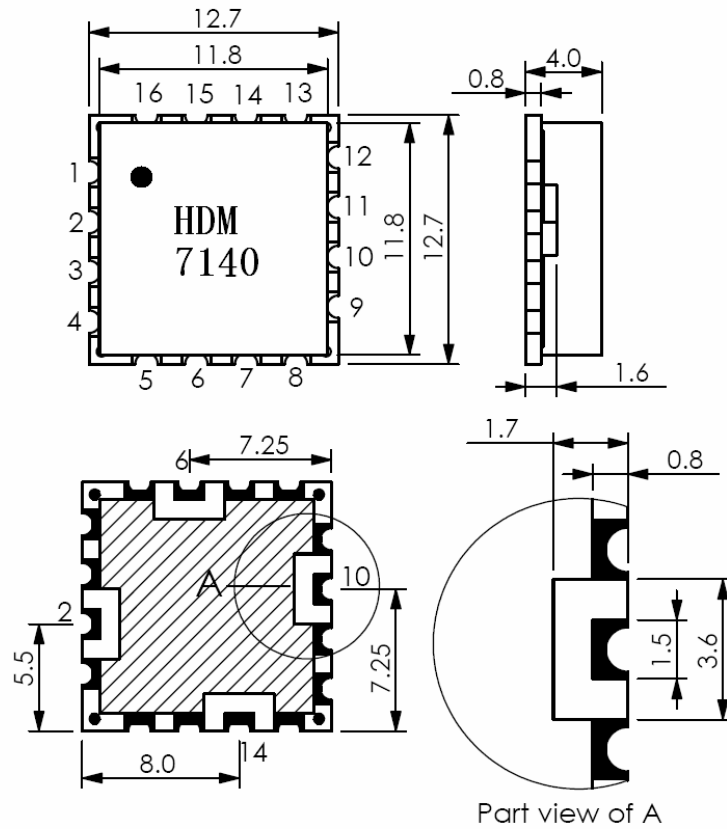
Repeater

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 |