

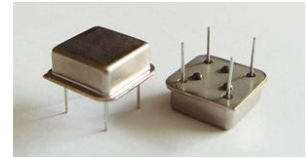
DCOHS系列/DCOHS Series

CHDCOHS-16.000M3B2-1B

(料号参考下页选型指南)

Pb Free

RoHS Compliant
2002/95/EC



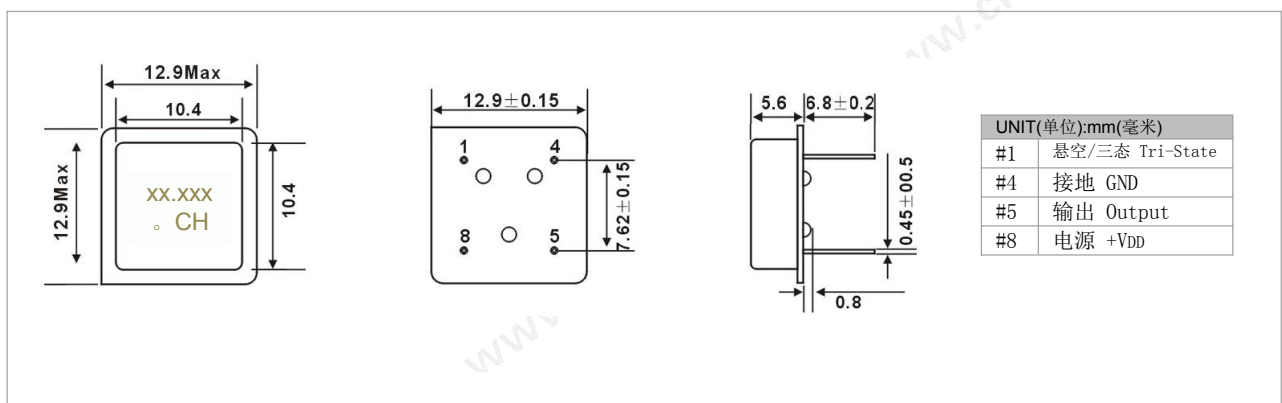
※ 应用及特点 Application & Features

- 8 引脚半尺寸 (8Pins HALF SIZE)
- 军事航天, 科研测量 (Military Aerospace, Scientific Research Survey)
- 工业设备, 自动控制 (Industrial equipment, automatic control)
- 金属封装尺寸: Metal Package 12.9×12.9×5.6 mm

※ 电气参数 Electrical Specification

| 项目 Item | 条件 condition | 参数 Parameter | |
|--|--------------------------------|--|-------------|
| 频率范围 Frequency Range | F ₀ | 0.032768~160MHz | |
| 调整频差 Frequency Tolerance | ALL | Table2 | |
| 温度频差 Frequency Drift | ALL | Table2 | |
| 工作温度 Operating Temperature Range (T _{OPR}) | ALL | -10~+60 to -40~+85 °C | |
| 储存温度 Storage Temperature Range (T _{STG}) | ALL | -40~+85 °C / -55~+125 °C | |
| 工作电压 Power supply Voltage | V _{DD} | 5.0V / 3.3V | |
| 输入电流 Supply Current | I _{DD} | 32.768K~24MHz | 20mA / 15mA |
| | | 24~50MHz | 30mA / 20mA |
| | | 50~160MHz | 40mA / 30mA |
| 输出负载 Output Load | | 15PF & 50PF / 15PF | |
| 输出波形 Output Wave | | TTL & COMS / TTL & COMS | |
| 输出对称性 Output Symmetry | S _{YM} | 1.4V or 1/2V _{DD} / 45%~55% | |
| 上升时间 Rise Time / 下降时间 Fall Time | T _r /T _f | 10nS Max | |
| 抖动 | Jitter | 5.0pS Max | |
| 开始上升时间 Start-up Time | T _s | 10ms Max | |
| 输出电压 Output Voltage (高电平) | V _{OH} | 2.4V Min. 90% V _{DD} | |
| 输出电压 Output Voltage (低电平) | V _{OL} | 0.4V Max. 10% V _{DD} | |
| 老化率 Aging (First Year) | 25 °C ±3°C | ±5ppm/year Max | |
| Pin1 三态控制功能 | | Pin1=H 在 3 脚激励输出 Pin1=H or open... Output active at pin3 | |
| | | Pin1=L 在 3 脚为高阻抗 Pin1=L or open... high impedance at pin3 | |

※ 外形尺寸及印字 Mechanical Dimensions and Marking



晶体振荡器 Crystal Oscillator - HALF SIZE

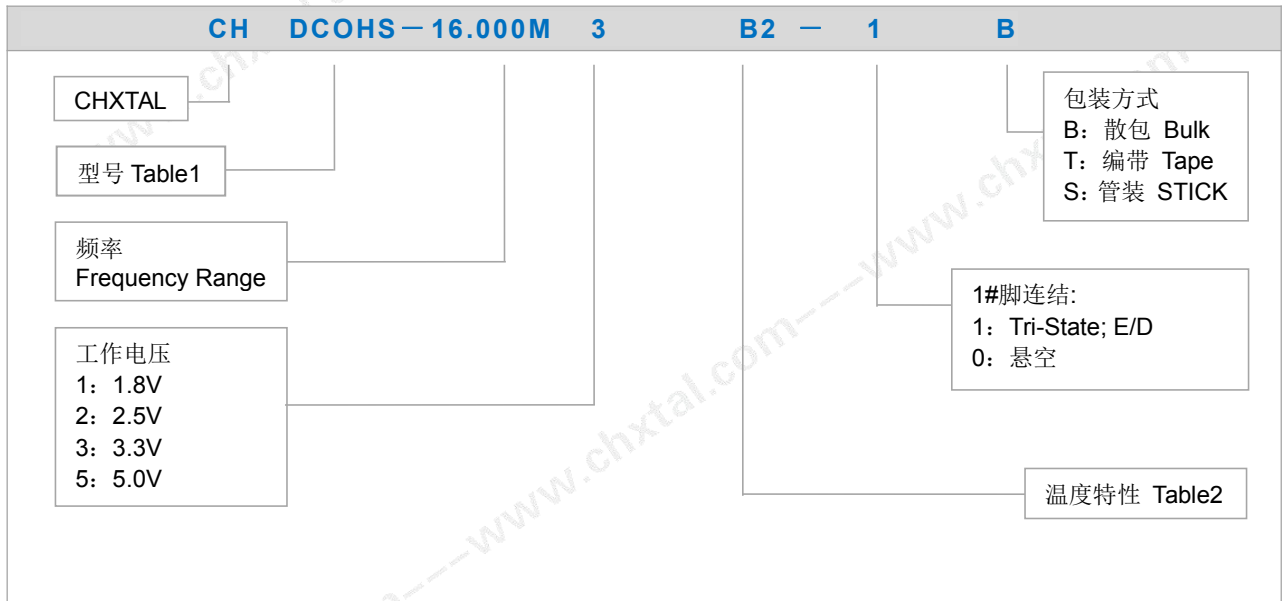
深圳市晨航科技有限公司 ShenZhen ChenHang Technologies Co.,Ltd



※ 应用环境标准 Environmental /Mechanical SPEC

| 项目 Item | 参数 Parameter | 回流焊条件 Reflow Condition |
|--------------------------|--|-------------------------------|
| 耐冲击性 Shock Resistance | 跌落测试:75cm 高度,跌落三次至硬木板 Drop from Height 75cm to hard wooded board 3 times | <p>CYCLE TIME:200sec Max.</p> |
| 焊接条件 Solder Condition | 引线焊接时,烙铁最高温度 260 度, 焊接时间最长 10 秒 Lead wire should be soldered with 10S with the iron heated to a tip temperature 260°C (Max) | |

※ 选型指南 Part Number Guide



※ Table1 型号/Type

| A | B | C | D | E | F | G | H |
|-------|-------|-------|-------|-------|-------|---|---|
| SCO22 | SCO32 | SCO53 | SCO75 | DCOHS | DCOFS | | |
| | | | | | | | |

※ Table2 温度特性及频差/Frequency stability at Temperature Range

| 温度特性及频差 Frequency stability @Temperature Range | | | | | | | |
|--|-----------|--------|--------|--------|---------|---------|---------|
| | Temp (°C) | -10~60 | -20~70 | -40~85 | -40~105 | -40~125 | -55~125 |
| Stability (ppm) | | A | B | C | D | E | F |
| ±10 | 1 | * | * | | | | |
| ±25 | 2 | * | * | * | | | |
| ±50 | 3 | * | * | * | | | |
| ±100 | 4 | * | * | * | | | |