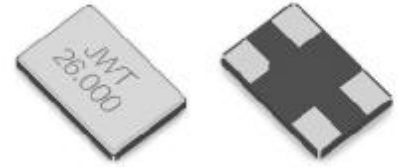


■特点 Features

标准的 2.0 x 1.6 x 0.50mm 陶瓷封装表面贴装形式  
 小公差及高稳定性  
 适应自动装配的8MM宽度的编带包装  
 包装：每卷1000/2000/3000PCS

Typical 2.0 x 1.6 x 0.50 mm Ceramic SMD package  
 Tight tolerance and Stability  
 8mm width Tape&Reel package for automatic assembly  
 Packing: Tape & Reel, 1000/2000/3000 pcs per Reel



■标准规格 Electronic Specification

|      |                             |                             |
|------|-----------------------------|-----------------------------|
| 型号   | Type                        | SMD2016                     |
| 频率范围 | Frequency Range             | 16.000 ~ 96.000MHz          |
| 振荡模式 | Oscillator Mode             | Fundamental(AT cut) 基频(AT切) |
| 调整频差 | Frequency Tolerance(at25°C) | ± 10ppm, ± 20ppm, ± 30ppm   |
| 温度频差 | Frequency Stability         | 具体见表2                       |
| 工作温度 | Operating Temperature Range | -40°C ~ 125°C               |
| 贮存温度 | Storage Temperature Range   | -55°C ~ 125°C               |
| 负载电容 | Load Capacitance            | Custom design(8 ~ ∞ pF)     |
| 激励电平 | Drive Level                 | 50 μW Typical (200 μW max.) |
| 静态电容 | Shunt Capacitance           | 5pF max.                    |
| 老化率  | Aging                       | ΔFF: ± 3PPM/year(max.)      |

特殊技术要求可定制

■等效电阻 Equivalent Series Resistance(E.S.R.)

| 频率范围<br>Frequency Range | 盒型<br>Hold Type | 振动模式<br>Mode | 等效电阻<br>E.S.R. | 频率范围<br>Frequency Range | 盒型<br>Hold Type | 振动模式<br>Mode | 等效电阻<br>E.S.R. |
|-------------------------|-----------------|--------------|----------------|-------------------------|-----------------|--------------|----------------|
| 16.000 ~ 19.999MHz      | SMD             | AT,Fund      | 150Ω Max       | 30.000 ~ 54.000MHz      | SMD             | AT,Fund      | 80Ω Max.       |
| 20.000 ~ 29.999MHz      | SMD             | AT,Fund      | 100Ω Max       | 54.000 ~ 96.000MHz      | SMD             | AT,Fund      | 60Ω Max.       |

Table 1

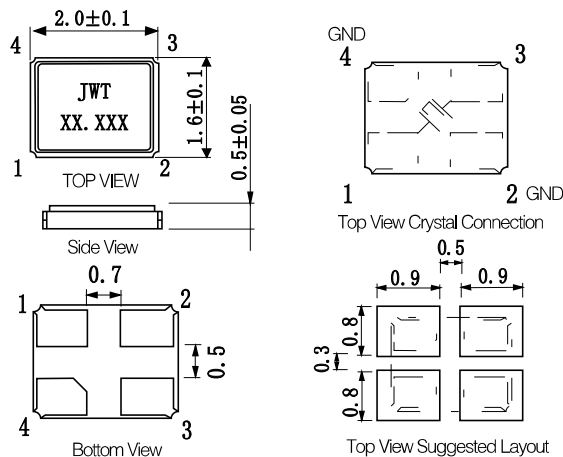
■温度频差和工作温度范围 Frequency Stability Vs Operating Temperature range

| Temp.(°C)\ppm | ± 5 | ± 10 | ± 15 | ± 20 | ± 25 | ± 30 | ± 50 |
|---------------|-----|------|------|------|------|------|------|
| -10 to 60°C   | △   | ○    | ○    | ○    | ○    | ○    | ○    |
| -20 to 70°C   |     | △    | ○    | ○    | ○    | ○    | ○    |
| -40 to 85°C   |     |      | △    | ○    | ○    | ○    | ○    |
| -40 to 125°C  |     |      |      |      |      | △    | ○    |

○:可实现的 △:与供应商沟通

Table 2

■外型尺寸 Outline Dimensions(Unit:mm)



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