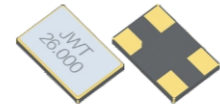


■特点 Features

标准的 1.6 x 1.2 x 0.35mm 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 1.6 x 1.2 x 0.35 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 | SMD1612 |
| 频率范围 Frequency Range | 24,000 ~ 54,000MHz |
| 振荡模式 Oscillator Mode | Fundamental(AT cut) 基频(AT切) |
| 调整频差 Frequency Tolerance(at25°C) | ±15ppm, ±20ppm, ±30ppm |
| 温度频差 Frequency Stability | 具体见表2 |
| 工作温度 Operating Temperature Range | -40°C ~ 85°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 | 10µW Typical (100µW max) |
| 静态电容 Shunt Capacitance | 5pF max |
| 老化率 Aging | ΔF/F:±3PPM/year(max) |

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

| 频率范围 Frequency Range | 盒型 Hold Type | 振荡模式 Mode | 等效电阻 E.S.R. | 频率范围 Frequency Range | 盒型 Hold Type | 振荡模式 Mode | 等效电阻 E.S.R. |
|----------------------|--------------|-----------|-------------|----------------------|--------------|-----------|-------------|
| 24,000 ~ 30,000MHz | SMD | AT,Fund | 100ΩMax | 30,000 ~ 54,000MHz | SMD | AT,Fund | 80ΩMax |

Table 1

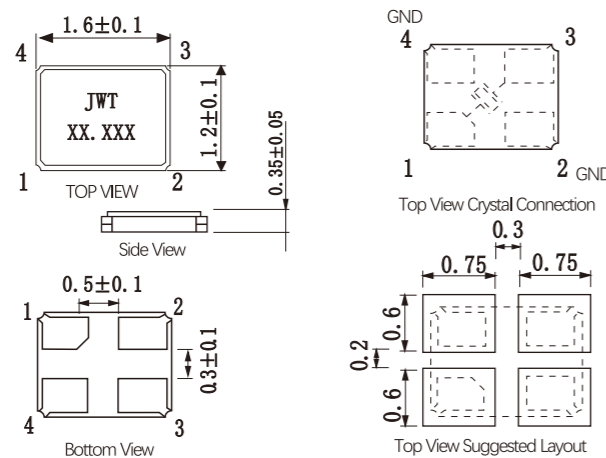
■温度频差和工作温度范围 Frequency Stability Vs Operating Temperature range

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

Table 2

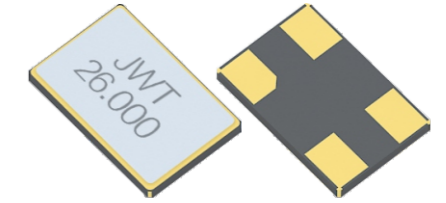
○:可实现的 △:与供应商沟通

■外型尺寸 Outline Dimensions(Unit:mm)



■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 ~ 54,000MHz |
| 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 |
| 激励电平 Drive Level | 10µW Typical (100µW max) |
| 静态电容 Shunt Capacitance | 5pF max |
| 老化率 Aging | ΔF/F:±3PPM/year(max) |

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

| 频率范围 Frequency Range | 盒型 Hold Type | 振荡模式 Mode | 等效电阻 E.S.R. | 频率范围 Frequency Range | 盒型 Hold Type | 振荡模式 Mode | 等效电阻 E.S.R. |
|----------------------|--------------|-----------|-------------|----------------------|--------------|-----------|-------------|
| 16,000 ~ 19,999MHz | SMD | AT,Fund | 150ΩMax | 30,000 ~ 54,000MHz | SMD | AT,Fund | 80ΩMax |
| 20,000 ~ 29,999MHz | SMD | AT,Fund | 100ΩMax | | | | |

Table 1

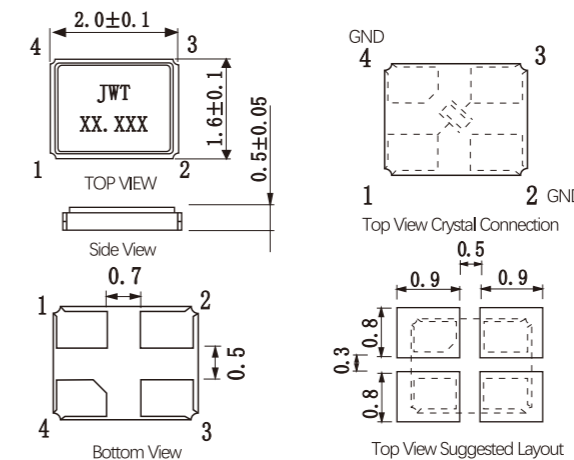
■温度频差和工作温度范围 Frequency Stability Vs Operating Temperature range

| 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 | | | | | | △ | ○ |

Table 2

○:可实现的 △:与供应商沟通

■外型尺寸 Outline Dimensions(Unit:mm)



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