

CRYSTAS 石英晶振

SMD3225 系列

FEATURES

- High precision characteristics covering up to wide frequency range;
- Higher frequency stability and reliability;
- Excellent for reducing EMI effect;
- The best choice of Bluetooth, wireless communication set, DSC, PDA, mobile phone and USB interface card;
- RoHS Compliant /Pb Free.

特 征

- 高精度特性，可覆盖宽频率范围；
- 更高的频率稳定性和可靠性；
- 具有良好的电磁干扰效果；
- 蓝牙、无线通讯设备、数码相机、掌上电脑、手机和 USB 接口卡的最佳选择；
- 符合 RoHS 标准/无铅。

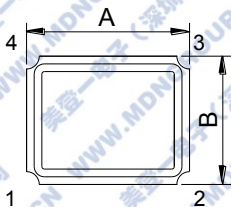
CRYSTALS SPECIFICATIONS

| ITEMS (项目) | PARAMETERS (规格说明) | |
|--|-----------------------------------|-----------------|
| Frequency Range | 10~114MHz | 100~400MHz |
| Drive Level | 1~200 μ W | 400 μ W Max |
| Frequency Tolerance(at 25 $^{\circ}$ C) | \pm 30ppm, or specify | |
| Frequency Stability Over Operating Temperature Range | \pm 30ppm, or specify | |
| Operating Temperature Range | -10~+70 $^{\circ}$ C , or specify | |
| Shunt Capacitance(C0) | 3pF Max. | |
| Load Capacitance | 10pF, or specify | |
| Aging(at 25 $^{\circ}$ C) | \pm 3ppm/year Max, or specify | |
| Storage Temperature Range | -40~+85 $^{\circ}$ C | |

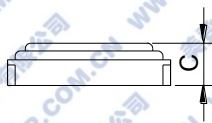
Equivalent Series Resistance(ESR)

| | Fundamental |
|------------|------------------|
| 10~16MHz | 100 Ω Max |
| 16~20MHz | 80 Ω Max |
| 20~64MHz | 60 Ω Max |
| 100~400MHz | 30 Ω Max |

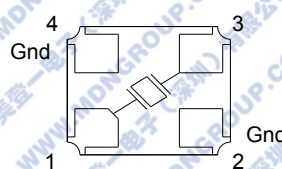
DIMENSIONS(Unit:mm) AND SHAPES



| | | | |
|---|----------------|---|----------------|
| A | 3.2 \pm 0.10 | E | 0.7 \pm 0.10 |
| B | 2.5 \pm 0.10 | F | 1.2 \pm 0.10 |
| C | 0.7 \pm 0.10 | G | 1.0 \pm 0.10 |
| D | 0.9 \pm 0.10 | H | |



Top View Crystal Connection



Top View Suggested Layout

