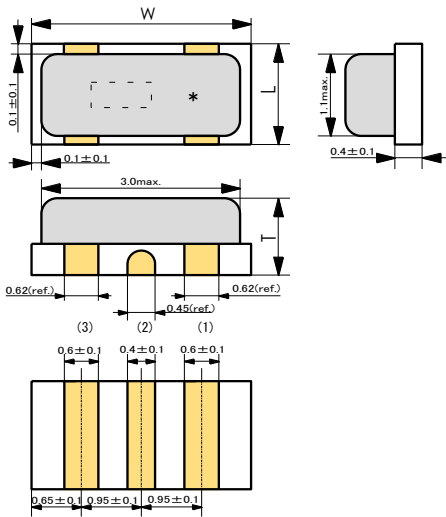
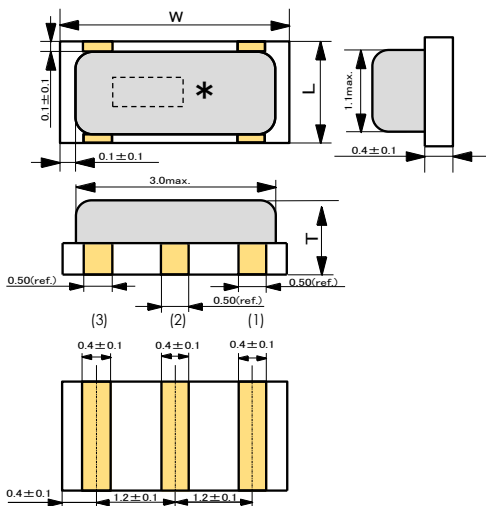
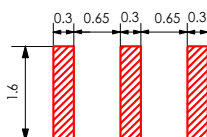
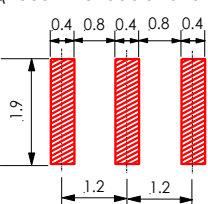


# 比較図 Comparison of Ceramic Resonator

2019/05/29

| CSTCE16M0V51-R0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CSTNE16M0V510000R0                                                                                                                                                                                                               |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|---------|--------------------------------|-----------|--------------------------------------------------------------|------------------------------------|-------------------------------------------|-----------------------------------|-----------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------|----------------------------|---------|--------------------------------|-----------|--------------------------------------------------------------|------------------------------------|-------------------------------------------|-----------------------------------|-----------------------------------|-----------------------|
| <b>電気特性 Electrical Characteristics</b> <table> <tr> <td>公称発振周波数<br/>Nominal Oscillating Frequency</td><td>16.000MHz</td></tr> <tr> <td>共振抵抗<br/>Resonant Impedance</td><td>40Ωmax.</td></tr> <tr> <td>発振周波数初期公差<br/>Initial Tolerance</td><td>±0.5%max.</td></tr> <tr> <td>発振周波数温度依存性<br/>Frequency Shift by Temperature(-20 to 80[° C])</td><td>±0.30%max.<br/>(from initial value)</td></tr> <tr> <td>発振周波数エージング<br/>Oscillating Frequency Aging</td><td>±0.2%max.<br/>(from initial value)</td></tr> <tr> <td>内蔵容量<br/>Built-in Load Capacitance</td><td>5pF±20%max.<br/>(ref.)</td></tr> </table> | 公称発振周波数<br>Nominal Oscillating Frequency                                                                                                                                                                                         | 16.000MHz | 共振抵抗<br>Resonant Impedance | 40Ωmax. | 発振周波数初期公差<br>Initial Tolerance | ±0.5%max. | 発振周波数温度依存性<br>Frequency Shift by Temperature(-20 to 80[° C]) | ±0.30%max.<br>(from initial value) | 発振周波数エージング<br>Oscillating Frequency Aging | ±0.2%max.<br>(from initial value) | 内蔵容量<br>Built-in Load Capacitance | 5pF±20%max.<br>(ref.) | <b>電気特性 Electrical Characteristics</b> <table> <tr> <td>公称発振周波数<br/>Nominal Oscillating Frequency</td><td>16.000MHz</td></tr> <tr> <td>共振抵抗<br/>Resonant Impedance</td><td>40Ωmax.</td></tr> <tr> <td>発振周波数初期公差<br/>Initial Tolerance</td><td>±0.5%max.</td></tr> <tr> <td>発振周波数温度依存性<br/>Frequency Shift by Temperature(-40 to 85[° C])</td><td>±0.30%max.<br/>(from initial value)</td></tr> <tr> <td>発振周波数エージング<br/>Oscillating Frequency Aging</td><td>±0.2%max.<br/>(from initial value)</td></tr> <tr> <td>内蔵容量<br/>Built-in Load Capacitance</td><td>5pF±20%max.<br/>(ref.)</td></tr> </table> | 公称発振周波数<br>Nominal Oscillating Frequency | 16.000MHz | 共振抵抗<br>Resonant Impedance | 40Ωmax. | 発振周波数初期公差<br>Initial Tolerance | ±0.5%max. | 発振周波数温度依存性<br>Frequency Shift by Temperature(-40 to 85[° C]) | ±0.30%max.<br>(from initial value) | 発振周波数エージング<br>Oscillating Frequency Aging | ±0.2%max.<br>(from initial value) | 内蔵容量<br>Built-in Load Capacitance | 5pF±20%max.<br>(ref.) |
| 公称発振周波数<br>Nominal Oscillating Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16.000MHz                                                                                                                                                                                                                        |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 共振抵抗<br>Resonant Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40Ωmax.                                                                                                                                                                                                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 発振周波数初期公差<br>Initial Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±0.5%max.                                                                                                                                                                                                                        |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 発振周波数温度依存性<br>Frequency Shift by Temperature(-20 to 80[° C])                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ±0.30%max.<br>(from initial value)                                                                                                                                                                                               |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 発振周波数エージング<br>Oscillating Frequency Aging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ±0.2%max.<br>(from initial value)                                                                                                                                                                                                |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 内蔵容量<br>Built-in Load Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5pF±20%max.<br>(ref.)                                                                                                                                                                                                            |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 公称発振周波数<br>Nominal Oscillating Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16.000MHz                                                                                                                                                                                                                        |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 共振抵抗<br>Resonant Impedance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40Ωmax.                                                                                                                                                                                                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 発振周波数初期公差<br>Initial Tolerance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±0.5%max.                                                                                                                                                                                                                        |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 発振周波数温度依存性<br>Frequency Shift by Temperature(-40 to 85[° C])                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ±0.30%max.<br>(from initial value)                                                                                                                                                                                               |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 発振周波数エージング<br>Oscillating Frequency Aging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ±0.2%max.<br>(from initial value)                                                                                                                                                                                                |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| 内蔵容量<br>Built-in Load Capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5pF±20%max.<br>(ref.)                                                                                                                                                                                                            |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| <b>外形寸法図 Dimensions</b><br>W : 3.20±0.15      □ : A<br>L : 1.30±0.15      * : 製造年月度<br>T : 0.9±0.1      (EIAJ Monthly Code)<br>unit : [mm]                                                                                                                                                                                                                                                                                                                                                                         | <b>外形寸法図 Dimensions</b><br>W : 3.20±0.15      □ : A<br>L : 1.30±0.15      * : 製造年月度<br>T : 0.90±0.1      (EIAJ Monthly Code)<br>unit : [mm]  |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |
| <b>推奨ランド寸法<br/>Recommendable Land Pattern</b><br>(推奨ランド寸法)<br>(Recommendable Land Pattern)                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>推奨ランド寸法<br/>Recommendable Land Pattern</b><br>(推奨ランド寸法)<br>(Recommendable Land Pattern)                                                   |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |           |                            |         |                                |           |                                                              |                                    |                                           |                                   |                                   |                       |

株式会社 村田製作所 Murata Manufacturing Co., Ltd.

代表的な仕様のみ記載しておりますので、詳細な仕様については納入仕様書にて確認願います。

This information has only typical specifications. Therefore, please approve our product specifications.

DR-E18-0006A