

| Product Description                |   | 3.2mm X 2.5mm Ceramic SMD Oscillator                   |            |                      |   |  |                    |
|------------------------------------|---|--|------------|----------------------|---|--|--------------------|
| Product Revision                   |   |  |            |                      |   |  |                    |
| Product Total Weight               |   | 0.02806g/pcs   |            |                      |   |  |                    |
| Contact Information                | Company                                       | Suntsu Frequency Control, Inc                          |            |                      |   |  |                    |
|                                    | Contact Name                                  | Bob Tintelnot  |            |                      |   |  |                    |
|                                    | Address                                       | 2 south pointe dr., suite 195<br>Lake Forest, CA 92630 |            |                      |   |  |                    |
|                                    | Phone Number                                  | 949-305-0220   |            |                      |   |  |                    |
| Homogenous Component/ Subcomponent | Homogenous Component/ Subcomponent Weight (g) | Substance  | CAS number | Substance Weight (g) | PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000) | PPM Level Availability Date (If Not Available) | Purpose/Location   |
| 3225 OSC PKG                       | 0.02006                                       | Alumina-Al <sub>2</sub> O <sub>3</sub>                 | 1344-28-1  | 0.013880             | 494654.31219  |  | Ceramic            |
|                                    |   | Silica-SiO <sub>2</sub>                                | 14808-60-7 | 0.000460             | 16393.44262   |  | Ceramic            |
|                                    |   | Magnesia-MgO   | 1309-48-4  | 0.000080             | 2851.03350  |  | Ceramic            |
|                                    |   | Calcia-CaO   | 1305-78-8  | 0.000080             | 2851.03350  |  | Ceramic            |
|                                    |   | Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>          | 1308-38-9  | 0.000840             | 29935.85175   |  | Ceramic            |
|                                    |   | Molybdenum-Mo  | 7439-98-7  | 0.000060             | 2138.27512  |  | Ceramic            |
|                                    |   | Tungsten-W   | 7440-33-7  | 0.001420             | 50605.84462   |  | Electric conductor |
|                                    |   | Molybdenum-Mo  | 7439-98-7  | 0.000040             | 1425.51675  |  | Electric conductor |
|                                    |   | Silver-Ag  | 7440-22-4  | 0.000300             | 10691.37562   |  | Brazing material   |
|                                    |   | Copper-Cu  | 7440-50-8  | 0.000120             | 4276.55025  |  | Brazing material   |
|                                    |   | Iron-Fe  | 7439-89-6  | 0.001200             | 42765.50249   |  | Kovar ring         |
|                                    |   | Nichel-Ni  | 7440-02-0  | 0.000660             | 23521.02637   |  | Kovar ring         |
|                                    |   | Cobalt-Co  | 7440-48-4  | 0.000380             | 13542.40912   |  | Kovar ring         |
|                                    |   | Nickel-Ni  | 7440-02-0  | 0.000220             | 7840.34212  |  | Ni plating         |
| Cobalt-Co                          | 7440-48-4                                     | 0.000180   | 6414.82537 |                      | Ni plating  |  |                    |
| Gold-Au                            | 7440-57-5                                     | 0.000140   | 4989.30862 |                      | Au plating  |  |                    |
| LID                                | 0.001   | Iron   | 7439-89-6  | 0.0005375            | 19155.38133   |  | Alloy              |
|                                    |   | Nickel   | 7440-02-0  | 0.0002949            | 10509.62224   |  | Alloy              |
|                                    |   | Cobalt   | 7440-48-4  | 0.0001676            | 5972.91518  |  | Alloy              |
| Blank                              | 0.0015  | Silica SiO <sub>2</sub>                                | 14808-60-7 | 0.0015               | 53456.87812   |  | Quartz crystal     |
| Au                                 | 0.0005  | Gold-Au  | 7440-57-5  | 0.0005               | 17818.95937   |  | Electrode          |
| Epoxy                              | 0.0005  | Silver Ag  | 7440-22-4  | 0.000425             | 15146.11547   |  | Connect            |
|                                    |   | Silicone Resin   | 63148-62-9 | 0.000075             | 2672.84391  |  | Support            |
| Gold Wire                          | 0.00428                                       | Gold-Au  | 7440-57-5  | 0.00428              | 152530.29223  |  | Connect            |
| IC                                 | 0.00022                                       | Silicon Si   | 7440-21-3  | 0.000219729          | 7830.68282  |  |                    |
|                                    |   | Arsenic-As   | 7440-38-2  | 0.0000000096         | 0.034212  |  |                    |
|                                    |   | Phosphorus-P   | 7723-14-0  | 0.0000002688         | 0.957947  |  |                    |
|                                    |   | Boron-B  | 7440-42-8  | 0.0000000960         | 0.342124  |  |                    |
|                                    |   | Aluminum-A   | 7429-90-5  | 0.00000012640        | 4.504633  |  |                    |
|                                    |   | Oxygen-O   | 7782-44-7  | 0.00000010720        | 3.820385  |  |                    |

0.028060 1000000.000