

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

|                      |   |   |
|----------------------|---|---|
| Supplier Part Number | ECS-TXO-25CSMV-AC   |   |
| Product Description  | 2.5x2.0 SMD Clipped Sine Wave Multi-Volt TCXO Analog Compensation |   |
| Product Revision     |   |   |
| Product Total Weight | 15.783002 mg/pcs  |   |
| Contact Information  | Company   | ECS INC. INTERNATIONAL                        |
|                      | Contact Name  | AJ Anderson                                   |
|                      | Address   | 15351 W. 109th Street<br>Lenexa, Kansas 66219 |
|                      | Phone Number  | (913) 782-7787                                |



| Homogenous Component/Subcomponent | Homogenous Component/Subcomponent Weight (mg) | Substance                       | CAS number | Substance Weight (mg) | PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000) | Purpose/Location |
|-----------------------------------|---|---------------------------------|------------|-----------------------|---|------------------|
| Base                              | 13.130002                                     | Al <sub>2</sub> O <sub>3</sub>  | 1344-28-1  | 7.920000000           | 603199  | Ceramic          |
|                                   |   | SiO <sub>2</sub>                | 7631-86-9  | 0.390000000           | 29703   | Ceramic          |
|                                   |   | CaO                             | 1305-78-8  | 0.060000000           | 4570  | Ceramic          |
|                                   |   | MgO                             | 1309-48-4  | 0.050000000           | 3808  | Ceramic          |
|                                   |   | Cr <sub>2</sub> O <sub>3</sub>  | 1308-38-9  | 0.060000000           | 4570  | Ceramic          |
|                                   |   | Mo                              | 7439-98-7  | 0.140000000           | 10663   | Ceramic          |
|                                   |   | W                               | 7440-33-7  | 1.910000000           | 145468  | Ceramic          |
|                                   |   | Ni                              | 7440-02-0  | 0.710000000           | 54075   | Ceramic          |
|                                   |   | Co                              | 7440-48-4  | 0.330000000           | 25133   | Ceramic          |
|                                   |   | Tl                              | 7440-28-0  | 0.090000000           | 6855  | Ceramic          |
|                                   |   | Au                              | 7440-57-5  | 0.000002000           | 0   | Ceramic          |
|                                   |   | Fe                              | 7439-89-6  | 0.860000000           | 65499   | Ceramic          |
|                                   |   | Ag                              | 7440-22-4  | 0.520000000           | 39604   | Ceramic          |
| Cu                                | 7440-50-8                                     | 0.090000000                     | 6855       | Ceramic               |   |                  |
| LID                               | 2.090000                                      | Fe                              | 7439-89-6  | 1.025490700           | 490665  | Kovar            |
|                                   |   | Ni                              | 7440-02-0  | 0.735351800           | 351843  | Kovar            |
|                                   |   | Co                              | 7440-48-4  | 0.322154100           | 154141  | Kovar            |
|                                   |   | Mn                              | 7439-96-5  | 0.007003400           | 3351  | Kovar            |
| Blank                             | 0.155000                                      | SiO <sub>2</sub>                | 14808-60-7 | 0.155000000           | 1000000   | Quartz Crystal   |
| Electrode                         | 0.010000                                      | Ag                              | 7440-22-4  | 0.009950000           | 995000  | Electrode        |
|                                   |   | Cr                              | 7440-47-3  | 0.000050000           | 5000  | Electrode        |
| Silver Glue                       | 0.040000                                      | C <sub>12</sub> H <sub>26</sub> | 112-40-3   | 0.004000000           | 100000  | Silicone Resin   |
|                                   |   | SiO <sub>2</sub>                | 7631-86-9  | 0.004000000           | 100000  | Silicone Resin   |
|                                   |   | Ag                              | 7440-22-4  | 0.032000000           | 800000  | Silicone Resin   |
| Gold Wire                         | 0.200000                                      | Au                              | 7440-57-5  | 0.200000000           | 1000000   | Connect          |
| IC                                | 0.158000                                      | Si                              | 7440-21-3  | 0.156578000           | 991000  | IC               |
|                                   |   | Al                              | 7429-90-5  | 0.000632000           | 4000  | IC               |
|                                   |   | Ti                              | 7440-32-6  | 0.000474000           | 3000  | IC               |
|                                   |   | W                               | 7440-33-7  | 0.000316000           | 2000  | IC               |