

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

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|----------------------|------------------------|---------------------------------------|
| Supplier Part Number | ECS-2520S Series | |
| Product Description | 2.5x2.0 SMD Oscillator | |
| Product Revision | | |
| Product Total Weight | 15.753 mg/pcs | |
| Contact Information | Company | ECS INC. INTERNATIONAL |
| | Contact Name | AJ Anderson |
| | Address | 1105 S. Ridgeview Olathe, KS 66062 |
| | 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 | 13.1000 | Al ₂ O ₃ | 1344-28-1 | 7.909780 | 502113 | Ceramic |
| | | SiO ₂ | 7631-86-9 | 0.386450 | 24532 | Ceramic |
| | | CaO | 1305-78-8 | 0.056330 | 3576 | Ceramic |
| | | MgO | 1309-48-4 | 0.052400 | 3326 | Ceramic |
| | | Cr ₂ O ₃ | 1308-38-9 | 0.060260 | 3825 | Ceramic |
| | | Mo | 7439-98-7 | 0.140170 | 8898 | Ceramic |
| | | W | 7440-33-7 | 1.903430 | 120830 | Ceramic |
| | | Ni | 7440-02-0 | 0.707400 | 44906 | Ceramic |
| | | Co | 7440-48-4 | 0.331430 | 21039 | Ceramic |
| | | Au | 7440-57-5 | 0.085150 | 5405 | Ceramic |
| | | Fe | 7439-89-6 | 0.859360 | 54552 | Ceramic |
| | | Ag | 7440-22-4 | 0.516140 | 32765 | Ceramic |
| | | Cu | 7440-50-8 | 0.091700 | 5821 | Ceramic |
| LID | 2.0900 | Fe | 7439-89-6 | 1.025563 | 65103 | Kovar |
| | | Ni | 7440-02-0 | 0.735262 | 46674 | Kovar |
| | | Co | 7440-48-4 | 0.322069 | 20445 | Kovar |
| | | Mn | 7439-96-5 | 0.007106 | 451 | Kovar |
| Blank | 0.1550 | SiO ₂ | 14808-60-7 | 0.155000 | 9839 | Quartz Crystal |
| Electrode | 0.0100 | Au | 7440-57-5 | 0.009950 | 632 | Electrode |
| | | Cr | 7440-47-3 | 0.000050 | 3 | Electrode |
| Silver Glue | 0.0400 | C ₁₂ H ₂₆ | 112-40-3 | 0.004000 | 254 | Silicone Resin |
| | | SiO ₂ | 7631-86-9 | 0.004000 | 254 | Silicone Resin |
| | | Ag | 7440-22-4 | 0.032000 | 2031 | Silicone Resin |
| Gold Wire | 0.2000 | Au | 7440-57-5 | 0.200000 | 12696 | Connect |
| IC | 0.1580 | Si | 7440-21-3 | 0.156578 | 9940 | IC |
| | | Al | 7429-90-5 | 0.000632 | 40 | IC |
| | | Ti | 7440-32-6 | 0.000474 | 30 | IC |
| | | W | 7440-33-7 | 0.000316 | 20 | IC |