

# Material Data Declaration Sheet

**ECS INC. INTERNATIONAL**

Supplier Part Number	ECS-3961/ECS-3963 Series	
Product Description	5x3.2 SMD Oscillator	
Product Revision		
Product Total Weight	0.081g/pcs	
Contact Information	Company	ECS INC. INTERNATIONAL
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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)	Purpose/Location
5032 OSC PKG	0.0510	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	0.035394	436963	Ceramic
		Silica-SiO <sub>2</sub>	14808-60-7	0.001173	14481	Ceramic
		Titanium oxide-TiO	13463-67-7	0.000204	2519	Ceramic
		Magnesia-MgO	1309-48-4	0.000204	2519	Ceramic
		Calcia-CaO	1305-78-8	0.000204	2519	Ceramic
		Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.002142	26444	Ceramic
		Tungsten-W	7440-33-7	0.003621	44704	Electric conductor
		Molybdenum-Mo	7439-98-7	0.000102	1259	Electric conductor
		Silver-Ag	7440-22-4	0.000765	9444	Brazing material
		Copper-Cu	7440-50-8	0.000306	3778	Brazing material
		Iron-Fe	7439-89-6	0.003060	37778	Kovar ring
		Nickel-Ni	7440-02-0	0.001683	20778	Kovar ring
		Cobalt-Co	7440-48-4	0.000969	11963	Kovar ring
		Nickel-Ni	7440-02-0	0.000561	6926	Ni plating
		Cobalt-Co	7440-48-4	0.000255	3148	Ni plating
LID	0.011	Gold-Au	7440-57-5	0.000357	4407	Au plating
		Iron	7439-89-6	0.0059125	72994	Alloy
		Nickel	7440-02-0	0.0032439	40048	Alloy
Blank	0.003	Cobalt	7440-48-4	0.0018436	22760	Alloy
		Silica SiO <sub>2</sub>	14808-60-7	0.003	37037	Quartz crystal
		Silver Ag	7440-22-4	0.00500000	61728	Electrode
Epoxy	0.005	Silver Ag	7440-22-4	0.00425	52469	Connect
		Silicone Resin	67763-03-5	0.00075	9259	Support
Gold Wire	0.00576	Gold-Au	7440-57-5	0.00576	71111	Connect
IC	0.00024	Silicon Si	7440-21-3	0.00024	2963	