

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model Number	ECX-1637Q (-37Q Package Type)
Product Description	SMD Crystal
Product Revision	
Product Total Weight	0.006830g/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)	Purpose/Location
Base	0.003780	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	0.002776	406442	Ceramic
		Silica-SiO <sub>2</sub>	14808-60-7	0.000093	13616	Ceramic
		Titanium oxide-TiO <sub>2</sub>	13463-67-7	0.000017	2489	Ceramic
		Magnesia-MgO	1309-48-4	0.000016	2343	Ceramic
		Calcia-CaO	1305-78-8	0.000016	2343	Ceramic
		Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.000167	24451	Ceramic
		Tungsten-W	7440-33-7	0.000513	75110	Electric conductor
		Molybdenum-Mo	7439-98-7	0.000017	2489	Electric conductor
		Nickel-Ni	7440-02-0	0.000095	13909	Ni plating
		Cobalt-Co	7440-48-4	0.000041	6003	Ni plating
		Gold-Au	7440-57-5	0.000029	4246	Au plating
Cover	0.002600	Iron	7439-89-6	0.001092	159883	Alloy
		Nickel	7440-02-0	0.000702	102782	Alloy
		Cobalt	7440-48-4	0.000338	49488	Alloy
		Gold-Au	7440-57-5	0.000364	53294	Alloy
		Tin	7440-31-5	0.000104	15227	Alloy
Crystal Blank	0.000318	Silica SiO <sub>2</sub>	14808-60-7	0.000318	46559	Quartz crystal
Evaporation	0.000031	Gold-Au	7440-57-5	0.000030000	4392	Electrode
		Chromium Cr	7440-47-3	0.000001000	146	Electrode
Electro Conductive Adhesive	0.000101	Silver Ag	7440-22-4	0.000076	11127	Connect
		Silicone Resin	7440-21-3	0.000025	3660	Support