

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

Supplier Part Number	ECS-7050MV Series	
Product Description	5x7 Multi-Volt SMD Oscillator	
Product Revision		
Product Total Weight	0.1575g/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
7050 OSC PKG	0.1040	Alumina-Al ₂ O ₃	1344-28-1	0.068744	661000	Ceramic
		Silica-SiO ₂	14808-60-7	0.002288	22000	Ceramic
		Titanium oxide-TiO	13463-67-7	0.000416	4000	Ceramic
		Magnesia-MgO	1309-48-4	0.000416	4000	Ceramic
		Calcia-CaO	1305-78-8	0.000416	4000	Ceramic
		Chromium oxide-Cr ₂ O	1308-38-9	0.004160	40000	Ceramic
		Tungsten-W	7440-33-7	0.006240	60000	Electric conductor
		Molybdenum-Mo	7439-98-7	0.000208	2000	Electric conductor
		Silver-Ag	7440-22-4	0.001872	18000	Brazing material
		Copper-Cu	7440-50-8	0.000728	7000	Brazing material
		Iron-Fe	7439-89-6	0.009048	87000	Kovar ring
		Nickel-Ni	7440-02-0	0.004888	47000	Kovar ring
		Cobalt-Co	7440-48-4	0.002912	28000	Kovar ring
		Nickel-Ni	7440-02-0	0.001040	10000	Ni plating
Cobalt-Co	7440-48-4	0.000416	4000	Ni plating		
Gold-Au	7440-57-5	0.000208	2000	Au plating		
LID	0.022	Iron-Fe	7439-89-6	0.011825	537500	Alloy
		Nickel-Ni	7440-02-0	0.0064878	294900	Alloy
		Cobalt-Co	7440-48-4	0.0036872	167600	Alloy
Blank	0.0055	Silica SiO ₂	14808-60-7	0.0055	1000000	Quartz crystal
Silver	0.015	Silver Ag	7440-22-4	0.01500000	1000000	Electrode
Epoxy	0.005	Silver Ag	7440-22-4	0.00425	850000	Connect
		Silicone Resin	67763-03-5	0.00075	150000	Support
Gold Wire	0.00576	Gold-Au	7440-57-5	0.00576	1000000	Connect
IC	0.00024	Silicon Si	7440-21-3	0.00024	1000000	