

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

ECS Model Number	ECX-1247 (-47 Package Type)
Product Description	SMD Crystal
Product Revision	
Product Total Weight	0.003297g/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
Base	0.002241	Alumina-Al ₂ O ₃	1344-28-1	0.000904	274189	Ceramic
		Manganese(III)oxide	1317-34-6	0.000033	10009	Ceramic
		Silica-Sio ₂	7631-86-9	0.000032	9706	Ceramic
		Molybdenum Oxide (VI)	1313-27-5	0.000005	1517	Ceramic
		Magnesia-MgO	1309-48-4	0.000003	910	Ceramic
		Molybdenum-Mo	7439-98-7	0.000398	120716	Electric conductor
		Iron	7439-89-6	0.000258	78253	Sealing
		Nickel-Ni	7440-02-0	0.000139	42160	Sealing
		Cobalt-Co	7440-48-4	0.000081	24568	Sealing
		Silver	7440-22-4	0.000101	30634	Brazing
		Copper	7440-50-8	0.000018	5460	Brazing
		Nickel	7440-02-0	0.000220	66727	Ni plating
		Cobalt	7440-48-4	0.000024	7279	Ni plating
Cover	0.000810	Gold-Au	7440-57-5	0.000025	7583	Au plating
		Iron	7439-89-6	0.000359	108887	Alloy
		Nickel	7440-02-0	0.000319	96755	Alloy
		Cobalt	7440-48-4	0.000126	38217	Alloy
		Manganese	7439-96-5	0.000004	1213	Alloy
		Silicone Resin	7440-21-3	0.000001	303	Alloy
Crystal Blank	0.000144	Aluminum	7429-90-5	0.000001	303	Alloy
		Silica SiO ₂	14808-60-7	0.000144	43676	Quartz crystal
Evaporation	0.000019	Gold-Au	7440-57-5	0.000018	5460	Electrode
		Chromium Cr	7440-47-3	0.000001	303	Electrode
Electro Conductive Adhesive	0.000083	Silver Ag	7440-22-4	0.000062	18805	Connect
		Silicone Resin	7440-21-3	0.000021	6369	Support