

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

ECS Model Number	ECX-42 (-42 Package Type)
Product Description	4.0x2.5mm SMD Crystal
Product Revision	
Product Total Weight	0.049g/pcs



Contact Information	Company	ECS INC. INTERNATIONAL
	Contact Name	AJ Anderson
	Address	15351 W. 109th Street Lenexa, KS 66219
	Phone Number	913-782-7787

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
4025 PKG	0.0210	Aluminum oxide-Al2O3	1344-28-1	0.011256	536000	Ceramic
		Silicon dioxide-SiO2	14808-60-7	0.000378	18000	Ceramic
		Titanium oxide	13463-67-7	0.000063	3000	Ceramic
		Magnesium oxide-MgO	1309-48-4	0.000063	3000	Ceramic
		Calcium-Ca	7440-70-2	0.000063	3000	Ceramic
		Chromium oxide-Cr2O3	1308-38-9	0.000672	32000	Ceramic
		Tungsten-W	7440-33-7	0.001806	86000	Electric conductor
		Molybdenum-Mo	7439-98-7	0.000063	3000	Electric conductor
		Silver-Ag	7440-22-4	0.000672	32000	Brazing material
		Copper-Cu	7440-50-8	0.000252	12000	Brazing material
		Iron-Fe	7439-89-6	0.002646	126000	Kovar ring
		Nickel-Ni	7440-02-0	0.001428	68000	Kovar ring
		Cobalt-Co	7440-48-4	0.000840	40000	Kovar ring
		Nickel-Ni	7440-02-0	0.000420	20000	Ni plating
Cobalt-Co	7440-48-4	0.000168	8000	Ni plating		
Gold-Au	7440-57-5	0.000210	10000	Au plating		
LID	0.02	Iron-Fe	7439-89-6	0.010646	532300	Alloy
		Nickel-Ni	7440-02-0	0.005898	294900	Alloy
		Cobalt-Co	7440-48-4	0.003352	167600	Alloy
		Manganese-Mn	7439-96-5	0.000078	3900	Alloy
		Silicon-Si	7440-21-3	0.000016	800	Alloy
		Copper-Cu	7440-50-8	0.00001	500	Alloy
Blank	0.002	Silica-SiO2	14808-60-7	0.002	1000000	Quartz crystal
Silver	0.001	Silver-Ag	7440-22-4	0.000999970	999970	Electrode
		Copper-Cu	7440-50-8	0.000000030	30	Electrode
Epoxy	0.005	Silver-Ag	7440-22-4	0.00425	850000	Connect
		Silicone Resin	67763-03-5	0.00075	150000	Support