


**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model Number		ECX-42 (-42 Package Type)				
Product Description		SMD Crystal				
Product Revision						
Product Total Weight		0.049g/pcs				
Contact Information	Company	ECS INC. INTERNATIONAL				
	Contact Name	AJ Anderson				
	Address	1105 S. Ridgeview Olathe, KS 66062				
	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	Alimina	1344-28-1	0.011256	229714	Ceramic
		Silica	14808-60-7	0.000378	7714	Ceramic
		Titanium oxide	13463-67-7	0.000063	1286	Ceramic
		Magnesia	1309-48-4	0.000063	1286	Ceramic
		Calcia	7440-70-2	0.000063	1286	Ceramic
		Chromium oxide	1308-38-9	0.000672	13714	Ceramic
		Tungsten	7440-33-7	0.001806	36857	Electric conductor
		Molybdenum	7439-98-7	0.000063	1286	Electric conductor
		Silver Ag	7440-22-4	0.000672	13714	Brazing material
		Copper Cu	7440-50-8	0.000252	5143	Brazing material
		Iron	7439-89-6	0.002646	54000	Kovar ring
		Nickel	7440-02-0	0.001428	29143	Kovar ring
		Cobalt	7440-48-4	0.000840	17143	Kovar ring
		Nickel	7440-02-0	0.000420	8571	Ni plating
Cobalt	7440-48-4	0.000168	3429	Ni plating		
Gold	7440-57-5	0.000210	4286	Au plating		
LID	0.02	Iron	7439-89-6	0.010646	217265	Alloy
		Nickel	7440-02-0	0.005898	120367	Alloy
		Cobalt	7440-48-4	0.003352	68408	Alloy
		Mn	7439-96-5	0.000078	1592	Alloy
		Silicone Si	7440-21-3	0.000016	327	Alloy
		Copper Cu	7440-50-8	0.00001	204	Alloy
Blank	0.002	Silica SiO2	14808-60-7	0.002	40816	Quartz crystal
Silver	0.001	Silver Ag	7440-22-4	0.000999970	20408	Electrode
		Copper Cu	7440-50-8	0.000000030	1	Electrode
Epoxy	0.005	Silver Ag	7440-22-4	0.00425	86735	Connect
		Silicone Resin	67763-03-5	0.00075	15306	Support