

# Material Data Declaration Sheet

**ECS INC. INTERNATIONAL**

ECS Model Number	ECX-12 (-12 Package Type)				
Product Description	SMD Crystal				
Product Revision					
Product Total Weight	5.04116mg/pcs				
Contact Information	Company	ECS INC. INTERNATIONAL			
	Contact Name	Dan Kelly			
	Address	1105 S. Ridgeview Olathe, KS 66062			
	Phone Number	913-782-7787			
Homogenous Component/Subcomponent	Homogenous Component/Sub component Weight (mg)	Substance	CAS number	Substance Weight (mg)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)
Base	3.7450	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	2.546	505042
		Silica-SiO <sub>2</sub>	14808-60-7	0.101	20035
		Titanium oxide-TiO <sub>2</sub>	13463-67-7	0.028	5554
		Magnesia-MgO	1309-48-4	0.014	2777
		Calcia-CaO	1305-78-8	0.009	1785
		Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.108	21424
		Tungsten-W	7440-33-7	0.515	102159
		Molybdenum-Mo	7439-98-7	0.015	2976
		Nickel-Ni	7440-02-0	0.066	13092
		Cobalt-Co	7440-48-4	0.017	3372
		Tin-Sn	7440-31-5	0.065	12894
		Gold-Au	7440-57-5	0.261	51774
LID	1.1691	Iron-Fe	7439-89-6	0.595	118028
		Nickel-Ni	7440-02-0	0.329	65263
		Cobalt-Co	7440-48-4	0.181	35904
		Gold-Au	7440-57-5	0.006	1190
		Nickel-Ni	7440-02-0	0.054	10712
		Mn	7439-96-5	0.003	595
		Silicone Resin	67763-03-5	0.001	218
Silver Wire	0.00206	Ti	7440-22-4	0.00005	10
		Pd	7440-05-3	0.001	198
		Nickel-Ni	7440-02-0	0.00001	2
		Gold-Au	7440-57-5	0.001	198
Blank	0.12	Silica SiO <sub>2</sub>	14808-60-7	0.120	23804
Bond	0.005	Ag	7440-22-4	0.004	793
		Silicone Resin	67763-03-5	0.001	198

