

Material Data Declaration Sheet

ECS Part Number	ECX-1210 (-1210 Package Type)	
Product Description	1.2x1.0mm SMD Crystal	
Product Revision		
Product Total Weight	0.00198g/pcs	
Contact Information	Company	ECS INC INTERNATIONAL
	Contact Name	AJ Anderson
	Address	15351 W. 109th Street Lenexa, Kansas 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
1.2 x 1.0 PKG	0.00132999	Aluminum oxide-Al ₂ O ₃	1344-28-1	0.00058843	442432	Ceramic
		Manganese oxide-Mn ₂ O ₃	1317-34-6	0.00002565	19286	Ceramic
		Silicon oxide-SiO ₂	7631-86-9	0.00003847	28925	Ceramic
		Molybdenum oxide-MoO ₃	1313-27-5	0.00000302	2271	Ceramic
		Magnesium oxide-MgO	1309-48-4	0.00000302	2271	Ceramic
		Molybdenum-Mo	7439-98-7	0.00024216	182077	Metalize
		Iron-Fe	7439-89-6	0.00011995	90189	Seal Ring
		Nickel-Ni	7440-02-0	0.00006412	48211	Seal Ring
		Cobalt-Co	7440-48-4	0.00003772	28361	Seal Ring
		Silver-Ag	7440-22-4	0.00009656	72602	Silver Solder
		Copper-Cu	7440-50-8	0.00001735	13045	Silver Solder
		Nickel-Ni	7440-02-0	0.00005960	44812	Electrode
		Cobalt-Co	7440-48-4	0.00001433	10775	Electrode
Gold-Au	7440-57-5	0.00001961	14744	Electrode		
Lid	0.00056001	Iron-Fe	7439-89-6	0.00027030	482670	Kovar
		Cobalt-Co	7440-48-4	0.00008910	159104	Kovar
		Nickel-Ni	7440-02-0	0.00014790	264102	Kovar
		Manganese-Mn	7439-96-5	0.00000204	3643	Kovar
		Silicon-Si	7440-21-3	0.00000036	643	Kovar
		Chromium-Cr	7440-47-3	0.00000026	464	Kovar
		Carbon-C	7440-44-0	0.00000005	89	Kovar
		Nickel-Ni	7440-02-0	0.00005000	89284	Plating
Crystal Element	0.00005755	Silicon Dioxide-SiO ₂	14808-60-7	0.00005755	1000000	Quartz crystal
Electrode	0.00000245	Chromium-Cr	7440-47-3	0.00000047	191837	Electrode
		Silver-Ag	7440-22-4	0.00000198	808163	Electrode
Conductive Adhesive	0.00003000	Silver-Ag	7440-22-4	0.00002250	750000	Adhesive
		Silicone Resin	67763-03-5	0.00000750	250000	Adhesive