

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

ECS Model Number	ECX-12RR (-12RR Package Type)	
Product Description	32.768 kHz SMD Crystal	
Product Revision		
Product Total Weight	5.04116mg/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 (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 ₂ O ₃	1344-28-1	2.546	505042
		Silica-SiO ₂	14808-60-7	0.101	20035
		Titanium oxide-TiO ₂	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 ₂ O ₃	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	Ag	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 ₂	14808-60-7	0.120	23804
Bond	0.005	Ag	7440-22-4	0.004	793
		Silicone Resin	67763-03-5	0.001	198