

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model	ECS-SR1-A					
Product Description	Ceramic Resonator					
Product Total Weight	165mg/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/Sub component Weight (mg)	Substance	CAS Number	Substance Weight (mg)	Substance %	PPM
Ceramic Chip	3.5000	Pb(RoHS Exempt)	7439-92-1	1.75	1.061	500000
		ZrO2	1314-23-4	1.05	0.636	300000
		TiO2	13463-67-7	0.7	0.424	200000
Upper Case	75.0000	ZrO2	1314-23-4	39	23.636	520000
		TiO2	13463-67-7	36	21.818	480000
Base Case	76.0000	BaCO3	513-77-9	51.68	31.321	680000
		TiO2	13463-67-7	24.32	14.739	320000
Electrode Layer	0.2000	Ni	7440-02-0	0.05	0.030	250000
		Ag	7440-22-4	0.1	0.061	500000
		Cu	7440-50-8	0.05	0.030	250000
Outer Electrode Layer	2.0000	Ag	7440-22-4	1	0.606	500000
		Ni	7440-02-0	0.44	0.267	220000
		Sn	7440-31-5	0.56	0.339	280000
Electrode Paste	4.0000	Resin	9004-57-3	2.4	1.455	600000
		Ag	7440-22-4	1.6	0.970	400000
Epoxy Resin	3.8000	Bisphenol F	28064-14-4	2.85	1.727	750000
		Imidarole	288-32-4	0.95	0.576	250000
Marking Oil	0.5000	Carbon Black	1333-86-4	0.3975	0.241	795000
		Hardner	461-58-5	0.1025	0.062	205000