

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

ECS Model	ECS-SR1-B					
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	10606
		ZrO2	1314-23-4	1.05	0.636	6364
		TiO2	13463-67-7	0.7	0.424	4242
Upper Case	75.0000	ZrO2	1314-23-4	39	23.636	236364
		TiO2	13463-67-7	36	21.818	218182
Base Case	76.0000	BaCO3	513-77-9	51.68	31.321	313212
		TiO2	13463-67-7	24.32	14.739	147394
Electrode Layer	0.2000	Ni	7440-02-0	0.05	0.030	303
		Ag	7440-22-4	0.1	0.061	606
		Cu	7440-50-8	0.05	0.030	303
Outer Electrode Layer	2.0000	Ag	7440-22-4	1	0.606	6061
		Ni	7440-02-0	0.44	0.267	2667
		Sn	7440-31-5	0.56	0.339	3394
Electrode Paste	4.0000	Resin	9004-57-3	2.4	1.455	14545
		Ag	7440-22-4	1.6	0.970	9697
Epoxy Resin	3.8000	Bisphenol F	28064-14-4	2.85	1.727	17273
		Imidarole	288-32-4	0.95	0.576	5758
Marking Oil	0.5000	Carbon Black	1333-86-4	0.3975	0.241	2409
		Hardner	461-58-5	0.1025	0.062	621