

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model	ECS-CTA Series					
Product Description	Ceramic Resonator					
Product Total Weight	104.46mg/pcs					
Contact Information	Company	ECS INC. INTERNATIONAL				
	Contact Name	AJ Anderson				
	Address	15351 W 109th Street Lenexa, KS 66219				
	Phone Number	913-782-7787				
<b>Homogenous Component/Subcomponent</b>	<b>Homogenous Component/Sub component Weight (mg)</b>	<b>Substance</b>	<b>CAS Number</b>	<b>Substance Weight (mg)</b>	<b>Substance %</b>	<b>PPM</b>
Cover and Base	86.0000	SiO2	14464-46-1	56	65.12	651163
		TiO2	13463-67-7	24	27.91	279070
		Other	-	6	6.98	69767
Electrode Layer	1.8000	Ag	7440-22-4	0.9	50.00	500000
		Ni	7440-02-0	0.45	25.00	250000
		Cu	7440-50-8	0.45	25.00	250000
Outer Electrode Layer	1.8000	Ni	7440-02-0	0.9	50.00	500000
		Ag	7440-22-4	0.36	20.00	200000
		Sn	7440-31-5	0.54	30.00	300000
Ceramic Chip	11.2000	Lead titanium zirconium oxide	12626-81-2	10.976	98.00	980000
		Other	-	0.224	2.00	20000
Epoxy Adhesive	2.4600	Epoxy Resin	9004-57-3	0.96	39.02	390244
		Resin	61788-97-4	1.44	58.54	585366
		Imidarole	288-32-4	0.06	2.44	24390
Conductive Adhesive	1.2000	Resin	61788-97-4	0.48	40.00	400000
		Ag	7440-22-4	0.72	60.00	600000