

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

ECS Model	ECS-CTE Series					
Product Description	Ceramic Resonator					
Product Total Weight	18mg/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
Cover and Base	11.34	SiO2	14464-46-1	7.384043	65.12	651150
		TiO2	13463-67-7	3.164429	27.91	279050
		Other	-	0.791528	6.98	69800
Electrode Layer	0.13	Ag	7440-22-4	0.065000	50.00	500000
		Ni	7440-02-0	0.032500	25.00	250000
		Cu	7440-50-8	0.032500	25.00	250000
Outer Electrode Layer	0.55	Ni	7440-02-0	0.275000	50.00	500000
		Ag	7440-22-4	0.110000	20.00	200000
		Sn	7440-31-5	0.165000	30.00	300000
Ceramic Chip	0.97	Lead titanium zirconium oxide	12626-81-2	0.950600	98.00	980000
		Other	-	0.019400	2.00	20000
Epoxy Adhesive	0.30	Epoxy Resin	9004-57-3	0.117060	39.02	390200
		Resin	61788-97-4	0.175620	58.54	585400
		Imidarole	288-32-4	0.007320	2.44	24400
Ceramic Capacitors	4.42	TiO2	13463-67-7	1.915186	43.33	433300
		SrCO3	1633-05-2	0.589628	13.34	133400
		CaCO3	471-34-1	1.915186	43.33	433300
Conductive Adhesive	0.29	Resin	61788-97-4	0.116000	40.00	400000
		Ag	7440-22-4	0.174000	60.00	600000