

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model	ECS-23G(-23G Package)		EU RoHS exemption 7(c), Lead			
Product Description	6.0 x 3.5mm SMD Crystal		in a glass matrix compound.			
Part Number						
Product Total Weight	66.8mg/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)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
6035 PKG	28.30	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	24.3000	363772	Ceramic
		Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	1.0800	16168	Ceramic
		SiO <sub>2</sub>	14808-60-7	1.0800	16168	Ceramic
		TiO <sub>2</sub>	13463-67-7	0.5400	8084	Ceramic
		Au	7440-57-5	0.3000	4491	Plating
		Ni	7440-02-0	1.2000	17964	Plating
		W	7440-33-7	7.0000	104790	Electrode
LID	35.50	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	14.4004	215575	Ceramic
		TiO <sub>2</sub>	13463-67-1	1.1100	16617	Ceramic
		Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.5550	8308	Ceramic
		MnO <sub>2</sub>	1313-13-9	0.7400	11078	Ceramic
		Co <sub>3</sub> O <sub>4</sub>	1308-06-1	0.1332	1994	Ceramic
		SiO <sub>2</sub>	14808-60-7	0.7400	11078	Ceramic
		MgO	1309-48-4	0.1332	1994	Ceramic
		Fe <sub>2</sub> O <sub>3</sub>	1309-37-1	0.5550	8308	Ceramic
		CaO	1305-78-8	0.1332	1994	Ceramic
		PbO	1317-36-8	4.8020	71886	Glass
		PbF <sub>2</sub>	7783-46-2	2.1560	32275	Glass
		Bi <sub>2</sub> O <sub>3</sub>	1304-76-3	0.7840	11737	Glass
		Nb <sub>2</sub> O <sub>5</sub>	1313-96-5	0.5880	8802	Glass
		ZnO	1314-13-2	0.5880	8802	Glass
		CuO	1317-38-0	0.2940	4401	Glass
B <sub>2</sub> O <sub>3</sub>	1303-86-2	0.5880	8802	Glass		
Crystal Blank	2.25	SiO <sub>2</sub>	14808-60-7	2.2500	33683	Quartz crystal
Electrode	0.25	Ag	7440-22-4	0.2500	3743	Electrode
Conductive Adhesive	0.50	Ag	7440-22-4	0.4000	5988	Epoxy
		SiO <sub>2</sub>	14808-60-7	0.0750	1123	Epoxy
		Distillates(petroleum)	64742-47-8	0.0250	374	Epoxy