

# Material Data Declaration Sheet

**ECS INC. INTERNATIONAL**

Supplier Part Number	ECS-VXO-73 / ECS-VXO-75	
Product Description	7.0 x 5.0 mm SMD VCXO	
Product Revision		
Product Total Weight	182.46823 mg/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/Subcomponent Weight (mg)	Substance	CAS number	Substance Weight (mg)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
Base	153.99963	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	105.61000	685781	Ceramic
		SiO <sub>2</sub>	7631-86-9	7.04000	45714	Ceramic
		Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	2.35000	15260	Ceramic
		Mo	7439-98-7	2.35000	15260	Ceramic
		Fe	7439-89-6	8.48177	55077	Pin
		Ni	7440-02-0	4.82297	31318	Pin
		Co	7440-48-4	3.32619	21599	Pin
		Au	7440-57-5	0.92394	6000	Plating
		Ni	7440-02-0	0.61596	4000	Plating
		W	7440-33-7	12.31920	79995	Metalizing
		Ag	7440-22-4	4.37332	28398	Solder
		Cu	7440-50-8	1.78628	11599	Solder
LID	23.10000	Fe	7439-89-6	12.47400	540000	Kovar
		Ni	7440-02-0	6.69900	290000	Kovar
		Co	7440-48-4	3.92700	170000	Kovar
Blank	1.50000	SiO <sub>2</sub>	14808-60-7	0.75000	500000	Quartz Crystal
		Ag	7440-22-4	0.75000	500000	Plating
Bonding Wire	0.10000	Au	7440-57-5	0.0999991	999991	Gold Wire
		Be	7440-41-7	0.0000004	4	Gold Wire
		Ca	7440-70-2	0.0000005	5	Gold Wire
IC	0.85000	Si	7440-21-3	0.842350	991000	IC
		Al	7429-90-5	0.003315	3900	IC
		Ti	7440-32-6	0.002550	3000	IC
		W	7440-33-7	0.001700	2000	IC
		Cu	7440-50-8	0.000085	100	IC
Conductive Adhesive	2.91860	Ag	7440-22-4	2.20740	756322	Adhesive
		Silicone Resin	67763-03-5	0.63320	216953	Adhesive
		SiO <sub>2</sub>	7631-86-9	0.05200	17817	Adhesive
		Methanol	67-56-1	0.02600	8908	Adhesive