Material Data Declaration Sheet

ECS INC. INTERNATIONAL

Supplier Part Number	ECS-TXO-2016MV Series
Product Description	2.0x1.6mm SMD Multi-Volt CMOS TCXO
Product Revision	
Product Total Weight	8.29997 mg/pcs

Contact Information	Company	ECS INC. INTERNATIONAL
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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
Ceramic Base	5.725290	Al_2O_3	1344-28-1	3.068760	536001	Ceramic
		SiO_2	14808-60-7	0.103030	17996	Ceramic
		TiO_2	13463-67-7	0.018920	3305	Ceramic
		MgO	1309-48-4	0.017750	3100	Ceramic
		CaO	1305-78-8	0.018340	3203	Ceramic
		Cr_2O_3	1308-38-9	0.184340	32197	Ceramic
		W	7440-33-7	0.897730	156801	Electric Conductor
		Mo	7439-98-7	0.028060	4901	Electric Conductor
		Ag	7440-22-4	0.206110	36000	Brazing Material
		Cu	7440-50-8	0.080150	13999	Brazing Material
		Fe	7439-89-6	0.488940	85400	Kovar Ring & Plating
		Ni	7440-02-0	0.380150	66398	Kovar Ring & Plating
		Co	7440-48-4	0.204370	35696	Kovar Ring & Plating
		Au	7440-57-5	0.028640	5002	Au Plating
LID	1.808840	Fe	7439-89-6	0.925770	511803	Kovar
		Ni	7440-02-0	0.542660	300004	Kovar
		Co	7440-48-4	0.325590	179999	Kovar
		Mn	7439-96-5	0.009040	4998	Kovar
		Si	7440-21-3	0.005420	2996	Kovar
		C	7440-44-0	0.000360	199	Kovar
Crystal Blank	0.334530	SiO_2	14808-60-7	0.334530	1000000	Quartz Crystal
IC	0.385050	Si	7440-21-3	0.113360	294403	Wafer
		Al	7429-90-5	0.000230	597	Wafer
		Cu	7440-50-8	0.000230	597	Wafer
		Ge	7440-56-4	0.000230	597	Wafer
		Ti	7440-32-6	0.000110	286	Wafer
		W	7440-33-7	0.000230	597	Wafer
		Epoxy Resin	25068-38-6	0.156980	407687	D/B Adhesive
		N-Butoxy glycidyl ether	2426-08-6	0.010830	28126	D/B Adhesive
		3-(3,4-Dichlorophenyl) - 1,1-Dimethyl-urea	330-54-1	0.021650	56226	D/B Adhesive
		Aluminum Hydroxide	21645-51-2	0.081200	210882	D/B Adhesive
Bonding Wire	0.042710	Au	7440-57-5	0.042710	99846	Au Wire
Conductive Adhesive	0.000110	Ag	7440-22-4	0.000090	818182	Adhesive
		SiO_2	7631-86-9	0.000010	90909	Adhesive
		Dodecane	112-40-3	0.000010	90909	Adhesive
Electrode	0.003440	Ag	7440-22-4	0.003440	1000000	Electrode