

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

Supplier Part Number	ECS-TXO32-S3/ECS-VC-TXO32-S3
Product Description	3.2x2.5 SMD Clipped Sine Wave Stratum 3 TCXO/VCTCXO
Product Revision	
Product Total Weight	27.104 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	22.5800	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	14.429998080	532394	Ceramic
		SiO <sub>2</sub>	14808-60-7	0.709999909	26195	Ceramic
		CaO	1305-78-8	0.099999987	3689	Ceramic
		MgO	1309-48-4	0.099999987	3689	Ceramic
		Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.109999985	4058	Ceramic
		Mo	7439-98-7	0.249999967	9224	Ceramic
		W	7440-33-7	3.229999571	119171	Ceramic
		Ni	7440-02-0	1.069999858	39478	Ceramic
		Co	7440-48-4	0.489999935	18079	Ceramic
		Au	7440-57-5	0.139999981	5165	Ceramic
		Fe	7439-89-6	1.209999839	44643	Ceramic
		Ag	7440-22-4	0.629999916	23244	Ceramic
		Cu	7440-50-8	0.109999985	4058	Ceramic
		Ti	7440-32-6	0.000003000	0	Ceramic
LID	3.4800	Fe	7439-89-6	1.784544000	65841	Kovar
		Ni	7440-02-0	1.111512000	41009	Kovar
		Co	7440-48-4	0.567240000	20928	Kovar
		Mn	7439-96-5	0.016704000	616	Kovar
Blank	0.4000	SiO <sub>2</sub>	14808-60-7	0.400000000	14758	Quartz Crystal
Electrode	0.0200	Au	7440-57-5	0.019900000	734	Electrode
		Cr	7440-47-3	0.000100000	4	Electrode
Silver Glue	0.0440	Si	7440-21-3	0.006600000	244	Silicone Resin
		Ag	7440-22-4	0.037400000	1380	Silicone Resin
Gold Wire	0.2600	Au	7440-57-5	0.260000000	9593	Connect
IC	0.3200	Si	7440-21-3	0.318036500	11734	IC
		Al	7429-90-5	0.001006400	37	IC
		Ti	7440-32-6	0.000610064	23	IC
		W	7440-33-7	0.000330000	12	IC
		Cu	7440-50-8	0.000017000	1	IC
		B	7440-42-8	0.000000036	0	IC