

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

Supplier Part Number	ECS-TXO53-S3 Series / ECS-VC-TXO53-S3 Series
Product Description	5.0x3.2mm SMD TCXO / VC-TCXO
Product Revision	
Product Total Weight	57.9532 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)	(If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
Base	44.9953	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	34.9944	777735	Ceramic
		SiO <sub>2</sub>	7631-86-9	1.4093	31321	Ceramic
		Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.4768	10597	Ceramic
		Mo	7439-98-7	0.1217	2705	Ceramic
		Fe	7439-89-6	2.7410	60917	Ceramic
		Ni	7440-02-0	1.4396	31994	Ceramic
		Co	7440-48-4	0.8571	19049	Ceramic
		Au	7440-57-5	0.3771	8381	Ceramic
		W	7440-33-7	1.8250	40560	Ceramic
		Ag	7440-22-4	0.5477	12172	Ceramic
		Cu	7440-50-8	0.2056	4569	Ceramic
LID	9.4271	Fe	7439-89-6	4.2422	450001	Kovar
		Ni	7440-02-0	3.5823	380000	Kovar
		Co	7440-48-4	1.6026	169999	Kovar
Blank	1.4130	SiO <sub>2</sub>	14808-60-7	1.4130	1000000	Quartz Crystal
Electrode	0.2110	Au	7440-57-5	0.2110	1000000	Electrode
Bonding Wire	0.0868	Au	7440-57-5	0.0868	1000000	Connect
IC	0.7520	Si	7440-21-3	0.7520	1000000	IC
Conductive Adhesive	1.0680	Ag	7440-22-4	0.7903	739981	Adhesive
		Silicone Resin	67763-03-5	0.1068	100000	Adhesive
		SiO <sub>2</sub>	7631-86-9	0.1068	100000	Adhesive
		Mineral Spirit	64742-47-8	0.0639	59831	Adhesive
		Methanol	67-56-1	0.0002	187	Adhesive