

# Material Data Declaration Sheet

**ECS INC. INTERNATIONAL**

Supplier Part Number	ECS-3225SMV
Product Description	3.2x2.5 SMD Oscillator
Product Revision	
Product Total Weight	27.104 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
Base	22.5800	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	14.429998080	639061	Ceramic
		SiO <sub>2</sub>	14808-60-7	0.709999909	31444	Ceramic
		CaO	1305-78-8	0.099999987	4429	Ceramic
		MgO	1309-48-4	0.099999987	4429	Ceramic
		Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.109999985	4872	Ceramic
		Mo	7439-98-7	0.249999967	11072	Ceramic
		W	7440-33-7	3.229999571	143047	Ceramic
		Ni	7440-02-0	1.069999858	47387	Ceramic
		Co	7440-48-4	0.489999935	21701	Ceramic
		Au	7440-57-5	0.139999981	6200	Ceramic
		Fe	7439-89-6	1.209999839	53587	Ceramic
		Ag	7440-22-4	0.629999916	27901	Ceramic
		Cu	7440-50-8	0.109999985	4872	Ceramic
		Ti	7440-32-6	0.000003000	0	Ceramic
LID	3.4800	Fe	7439-89-6	1.784544000	512800	Kovar
		Ni	7440-02-0	1.111512000	319400	Kovar
		Co	7440-48-4	0.567240000	163000	Kovar
		Mn	7439-96-5	0.016704000	4800	Kovar
Blank	0.4000	SiO <sub>2</sub>	14808-60-7	0.400000000	100000	Quartz Crystal
Electrode	0.0200	Au	7440-57-5	0.019900000	995000	Electrode
		Cr	7440-47-3	0.000100000	5000	Electrode
Silver Glue	0.0440	Si	7440-21-3	0.006600000	150000	Silicone Resin
		Ag	7440-22-4	0.037400000	850000	Silicone Resin
Gold Wire	0.2600	Au	7440-57-5	0.260000000	1000000	Connect
IC	0.3200	Si	7440-21-3	0.318036500	993864	IC
		Al	7429-90-5	0.001006400	3145	IC
		Ti	7440-32-6	0.000610064	1906	IC
		W	7440-33-7	0.000330000	1031	IC
		Cu	7440-50-8	0.000017036	53	IC