

# Material Data Declaration Sheet

**ECS INC. INTERNATIONAL**

Supplier Part Number	ECS-2532HS Series	
Product Description	2.5 x 3.2mm SMD Oscillator	
Product Revision		
Product Total Weight	21.3336mg/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
OSC PKG	16.1110	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	10.2000	633108	Ceramic
		Silicon dioxide SiO <sub>2</sub>	7631-86-9	0.4400	27311	Ceramic
		Molybdenum-Mo	7439-98-7	0.0600	3724	Ceramic
		Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.0700	4345	Ceramic
		Tungsten-W	7440-33-7	1.1000	68276	Electric conductor
		Molybdenum-Mo	7439-98-7	0.0300	1862	Electric conductor
		Silver-Ag	7440-22-4	0.1450	9000	Brazing material
		Copper-Cu	7440-50-8	0.0560	3476	Brazing material
		Iron-Fe	7439-89-6	1.6500	102414	Kovar ring
		Nickel-Ni	7440-02-0	0.9400	58345	Kovar ring
		Cobalt-Co	7440-48-4	0.5000	31035	Kovar ring
		Nickel-Ni	7440-02-0	0.5000	31035	Ni plating
Gold-Au	7440-57-5	0.4200	26069	Au plating		
LID	3.1004	Iron-Fe	7439-89-6	1.6350	527351	Alloy
		Nickel-Ni	7440-02-0	0.6852	221004	Alloy
		Cobalt-Co	7440-48-4	0.5800	187073	Alloy
		Manganese-Mn	7439-96-5	0.2002	64572	Alloy
Blank	0.8736	Silica-SiO <sub>2</sub>	14808-60-7	0.8736	1000000	Quartz crystal
Silver	0.0280	Silver-Ag	7440-57-5	0.0278	992857	Electrode
		Chromium-Cr	7440-47-3	0.0002	7143	Electrode
Epoxy	0.0192	Silver-Ag	7440-22-4	0.0171	890625	Connect
		Silicone Resin	67763-03-5	0.0021	109375	Support
Gold Wire	0.9000	Gold-Au	7440-57-5	0.9000	1000000	Connect
IC	0.3014	Silicon-Si	7440-21-3	0.3000	995355	IC
		Aluminium-Al	7429-90-5	0.0012	3981	IC
		Copper-Cu	7440-50-8	0.0002	664	IC