

# Material Data Declaration Sheet

# ECS INC. INTERNATIONAL

Supplier Part Number	ECS-3225MVQ Series	
Product Description	3.2x2.5 SMD Multi-Volt Oscillator AEC-Q200	
Product Revision		
Product Total Weight	28.00mg/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	20.0000	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	13.8800	694000	Ceramic
		Silicon dioxide SiO <sub>2</sub>	7631-86-9	0.4600	23000	Ceramic
		Magnesia-MgO	1309-48-4	0.0800	4000	Ceramic
		Calcia-CaO	1305-78-8	0.0800	4000	Ceramic
		Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.8400	42000	Ceramic
		Tungsten-W	7440-33-7	1.4200	71000	Electric conductor
		Molybdenum-Mo	7439-98-7	0.0400	2000	Electric conductor
		Silver-Ag	7440-22-4	0.3000	15000	Brazing material
		Copper-Cu	7440-50-8	0.1200	6000	Brazing material
		Iron-Fe	7439-89-6	1.2000	60000	Kovar ring
		Nickel-Ni	7440-02-0	0.6600	33000	Kovar ring
		Cobalt-Co	7440-48-4	0.3800	19000	Kovar ring
		Nickel-Ni	7440-02-0	0.2200	11000	Ni plating
		Cobalt-Co	7440-48-4	0.1800	9000	Ni plating
Gold-Au	7440-57-5	0.1400	7000	Au plating		
LID	1.0000	Iron-Fe	7439-89-6	0.5375	537500	Alloy
		Nickel-Ni	7440-02-0	0.2949	294900	Alloy
		Cobalt-Co	7440-48-4	0.1676	167600	Alloy
Blank	1.5000	Silica-SiO <sub>2</sub>	14808-60-7	1.5000	1000000	Quartz crystal
Gold	0.5000	Gold-Au	7440-57-5	0.5000	1000000	Electrode
Epoxy	0.5000	Silver-Ag	7440-22-4	0.4250	850000	Connect
		Silicon-Si	7440-21-3	0.0750	150000	Support
Gold Wire	4.2800	Gold-Au	7440-57-5	4.2800	1000000	Connect
IC	0.2200	Silicon-Si	7440-21-3	0.2200	1000000	