

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

Supplier Part Number	ECS-5032MV Series
Product Description	5.0x3.2mm SMD Multi-Volt Oscillator
Product Revision	
Product Total Weight	60.773635mg/pc



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
5032 OSC PKG	51.0301	Aluminum oxide-Al ₂ O ₃	1344-28-1	27.363300	536219	Ceramic
		Silicon oxide-SiO ₂	7631-86-9	1.824200	35748	Ceramic
		Chromium oxide-Cr ₂ O ₃	1308-38-9	0.608100	11916	Ceramic
		Molybdenum-Mo	7439-98-7	0.608100	11916	Ceramic
		Tungsten-W	7440-33-7	8.251500	161699	Metallizing
		Iron-Fe	7439-89-6	5.071100	99375	Seal Ring
		Nickel-Ni	7440-02-0	2.774800	54376	Seal Ring
		Cobalt-Co	7440-48-4	1.722300	33751	Seal Ring
		Silver-Ag	7440-22-4	1.811600	35501	Solder
		Copper-Cu	7440-50-8	0.739900	14499	Solder
		Nickel-Ni	7440-02-0	0.127600	2500	Ni plating
		Gold-Au	7440-57-5	0.127600	2500	Au plating
LID	6.4901	Iron-Fe	7439-89-6	3.407300	525000	Alloy
		Nickel-Ni	7440-02-0	1.947030	300000	Alloy
		Cobalt-Co	7440-48-4	1.135770	175000	Alloy
Blank	1.797	Silicon dioxide-SiO ₂	14808-60-7	1.796460	999699	Crystal Blank
		Aluminum oxide-Al ₂ O ₃	1344-28-1	0.000250	139	Crystal Blank
		Ferric oxide-Fe ₂ O ₃	1309-37-1	0.000290	161	Crystal Blank
Silver	0.15	Silver-Ag	7440-22-4	0.150000	1000000	Electrode
Conductive Adhesive	0.000435	Silver-Ag	7440-22-4	0.000389	894253	Adhesive
		n-Dodecane-C ₁₂ H ₂₆	112-40-3	0.000042	96552	Adhesive
		Alkoxysilane-C ₁₁ H ₂₂ O ₄ Si	4/3/3388	0.000004	9195	Adhesive
Gold Wire	0.0001	Gold-Au	7440-57-5	0.000100	1000000	Bonding Wire
IC	1.3059	Silicon-Si	7440-21-3	0.840700	643771	Wafer
		Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-,hydrolysis products with silica	7440-21-3	0.465200	356229	Adhesive