

# Material Data Declaration Sheet

# ECS INC. INTERNATIONAL

Supplier Part Number	ECS-2016MV Series	
Product Description	1.6x2.0 SMD Oscillator	
Product Revision		
Product Total Weight	8.8515mg/pcs	
Contact Information	Company	ECS INC. INTERNATIONAL
	Contact Name	AJ Anderson
	Address	15351 W. 109th Street Lenexa, KS 66219
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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	7.1480	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	4.1730	471446	Ceramic
		Silicon dioxide SiO <sub>2</sub>	14808-60-7	0.1460	16494	Ceramic
		Molybdenum-Mo	7439-98-7	0.8420	95125	Ceramic
		Manganese Oxide-Mn <sub>2</sub> O <sub>3</sub>	1317-34-6	0.1540	17398	Ceramic
		Magnesium Oxide-MgO	1309-48-4	0.0130	1469	Electric conductor
		Molybdenum Oxide-MoO <sub>3</sub>	1313-27-5	0.0220	2485	Electric conductor
		Silver-Ag	7440-22-4	0.3680	41575	Brazing material
		Copper-Cu	7440-50-8	0.0650	7343	Brazing material
		Iron-Fe	7439-89-6	0.5650	63831	Kovar ring
		Nickel-Ni	7440-02-0	0.5030	56827	Kovar ring
		Cobalt-Co	7440-48-4	0.2280	25758	Kovar ring
		Gold-Au	7440-57-5	0.0690	7795	Au plating
LID	1.3620	Iron-Fe	7439-89-6	0.6230	70384	Alloy
		Nickel-Ni	7440-02-0	0.5360	60555	Alloy
		Cobalt-Co	7440-48-4	0.1980	22369	Alloy
		Manganese-Mn	7439-96-5	0.0050	565	Alloy
Blank	0.1500	Silica-SiO <sub>2</sub>	14808-60-7	0.1500	16946	Quartz crystal
Epoxy	0.0020	Silver-Ag	7440-22-4	0.0010	113	Connect
		Silicone-Si	7440-21-3	0.0010	113	Support
Gold Wire	0.0310	Gold-Au	7440-57-5	0.0310	3502	Connect
IC	0.1585	Silicon-Si	7440-21-3	0.15787	17835	
		Aluminium-Al	7429-90-5	0.0006	71	