

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

Supplier Part Number	ECS-327ATQ2520MV
Product Description	2.5x2.0mm 32.768kHz Multi-Volt AEC-Q200 SMD Oscillator
Product Revision	
Product Total Weight	15.753 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)	(If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
Base	13.1000	Al ₂ O ₃	1344-28-1	7.909780	603800	Ceramic
		SiO ₂	7631-86-9	0.386450	29500	Ceramic
		CaO	1305-78-8	0.056330	4300	Ceramic
		MgO	1309-48-4	0.052400	4000	Ceramic
		Cr ₂ O ₃	1308-38-9	0.060260	4600	Ceramic
		Mo	7439-98-7	0.140170	10700	Ceramic
		W	7440-33-7	1.903430	145300	Ceramic
		Ni	7440-02-0	0.707400	54000	Ceramic
		Co	7440-48-4	0.331430	25300	Ceramic
		Au	7440-57-5	0.085150	6500	Ceramic
		Fe	7439-89-6	0.859360	65600	Ceramic
		Ag	7440-22-4	0.516140	39400	Ceramic
		Cu	7440-50-8	0.091700	7000	Ceramic
LID	2.0900	Fe	7439-89-6	1.025563	490700	Kovar
		Ni	7440-02-0	0.735262	351800	Kovar
		Co	7440-48-4	0.322069	154100	Kovar
		Mn	7439-96-5	0.007106	3400	Kovar
Blank	0.1550	SiO ₂	14808-60-7	0.155000	1000000	Quartz Crystal
Electrode	0.0100	Au	7440-57-5	0.009950	995000	Electrode
		Cr	7440-47-3	0.000050	5000	Electrode
Silver Glue	0.0400	C ₁₂ H ₂₆	112-40-3	0.004000	100000	Silicone Resin
		SiO ₂	7631-86-9	0.004000	100000	Silicone Resin
		Ag	7440-22-4	0.032000	800000	Silicone Resin
Gold Wire	0.2000	Au	7440-57-5	0.200000	1000000	Connect
IC	0.1580	Si	7440-21-3	0.156578	991000	IC
		Al	7429-90-5	0.001422	9000	IC