

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

ECS Model Number	ECX-2236TC (-36TC Package Type)
Product Description	SMD Thermistor Crystal
Product Revision	
Product Total Weight	0.0151347g/pcs



Contact Information	Company	ECS INC. INTERNATIONAL
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Homogenous Component/Subcomponent	Homogenous Component/Subcomponent Weight (g)	Substance	CAS number	Substance Weight (g)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or	Purpose/Location
Base	0.0110035	Al ₂ O ₃	1344-28-1	0.0054430	494661	Ceramic
		SiO ₂	14808-60-7	0.0003629	32980	Ceramic
		Cr ₂ O ₃	1308-38-9	0.0001210	10997	Ceramic
		Mo	7439-98-7	0.0001210	10997	Ceramic
		W	7440-33-7	0.0012903	117263	Electric Conductor
		Ag	7440-22-4	0.0004530	41169	Brazing Material
		Cu	7440-50-8	0.0001850	16813	Brazing Material
		Fe	7439-89-6	0.0012840	116690	Kovar Ring
		Ni	7440-02-0	0.0007299	66333	Kovar Ring
		Co	7440-48-4	0.0005034	45749	Kovar Ring
		Ni	7440-02-0	0.0004400	39987	Ni plating
		Au	7440-57-5	0.0000700	6362	Au plating
Lid	0.0023800	Ni	7440-02-0	0.0006438	270504	Kovar
		Co	7440-48-4	0.0003753	157689	Kovar
		Fe	7439-89-6	0.0011797	495672	Kovar
		C	7440-44-0	0.0000002	84	Kovar
		Si	7440-21-3	0.0000015	630	Kovar
		Mn	7439-96-5	0.0000095	3992	Kovar
		Ni	7440-02-0	0.0001700	71429	Ni plating
		Crystal Blank	0.0002041	SiO ₂	14808-60-7	0.0002041
Solder Paste	0.0006000	Sn	7440-31-5	0.0005790	965000	Solder
		Ag	7440-22-4	0.0000180	30000	Solder
		Cu	7440-50-8	0.0000030	5000	Solder
Conductive Epoxy	0.0007000	Ag	7440-22-4	0.0005400	771429	Epoxy
		Dodecane	112-40-3	0.0001200	171429	Epoxy
		Aromatic Hydrocarbons	63231-51-6	0.0000400	57143	Epoxy
Thermistor	0.0002471	Mn ₃ O ₄	1317-35-7	0.0001497	605828	Thermistor
		NiO	1313-99-1	0.0000451	182517	Thermistor
		Al ₂ O ₃	1344-28-1	0.0000103	41684	Thermistor
		Ni	7440-02-0	0.0000046	18616	Thermistor
		Sn	7440-31-5	0.0000114	46135	Thermistor
		Pd	7440-05-3	0.0000051	20639	Thermistor
		Ag	7440-22-4	0.0000197	79725	Thermistor
		SiO ₂	7631-86-9	0.0000012	4856	Thermistor