

Material Composition Data

Product: GXO-2201

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GXO-2201 - 1.8 ~ 3.3V CMOS Oscillator

Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Base	Ceramic	Al ₂ O ₃	1344-28-1	4.606	64.89
		Mn ₂ O ₃	1317-34-6	0.170	2.40
		SiO ₂	14808-60-7	0.160	2.25
		MoO ₃	1313-27-5	0.020	0.28
		MgO	1309-48-4	0.010	0.14
		Mo	7439-98-7	0.731	10.30
		Ni	7440-02-0	0.391	5.51
		Co	7440-48-4	0.170	2.40
		Au	7440-57-5	0.060	0.85
		Ti	7440-32-6	0.000	0.00
		Fe	7439-89-6	0.400	5.64
		Ag	7440-22-4	0.320	4.51
		Cu	7440-50-8	0.060	0.85
Lid	Kovar	Fe	7439-89-6	0.730	48.18
		Ni	7440-02-0	0.384	25.35
		Co	7440-48-4	0.247	16.30
		Mn	7439-96-5	0.007	0.46
		Si	7440-21-3	0.004	0.26
		C	7440-44-0	0.000	0.00
	Plating	Nickel	7440-02-0	0.143	9.44
Blank	Quartz crystal	SiO ₂	14808-60-7	0.010	100.00
Electrode	Metal layer	Ag	7440-22-4	0.010	100.00
		Cr	7440-47-3	0.000	0.00
Silver Glue	Silicone resin	C ₁₂ H ₂₆	112-40-3	0.001	9.09
		SiO ₂	14808-60-7	0.001	9.09
		Si	7440-21-3	0.001	9.09
		Ag	7440-22-4	0.008	72.73
Au Wire	Metal	Au	7440-57-5	0.026	100.00
		Pd	2023568	0.000	0.00
IC	IC	Si	7440-21-3	0.080	100.00
		Al	7429-90-5	0.000	0.00
		Tl	7440-28-0	0.000	0.00
		W	7440-33-7	0.000	0.00
		As	7440-38-2	0.000	0.00
Adhesive	Epoxy Resin	Ag	7440-22-4	0.079	71.82
		Modified Epoxy Resin	9003-36-5	0.010	9.09
		Epoxy resin F type	28064-14-4	0.010	9.09
		Epoxy resin A type	25068-38-6	0.009	8.18
		Imidazole	827-43-0	0.001	0.91
		Amide	461-58-5	0.001	0.91



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Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
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Total Mass:				8.860 mg	
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John Hems

John Hems
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