

# Material Composition Data



Product: GXO-2204

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## GXO-2204 - 2016 CMOS Oscillator

Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Blank	Quartz (SiO <sub>2</sub> )	SiO <sub>2</sub>	14808-60-7	0.690	100.00
High Alloyed SMD Lid	Cobalt	Co	7440-48-4	0.311	100.00
High Alloyed SMD Lid	Iron	Fe	7439-89-6	0.963	100.00
High Alloyed SMD Lid	Nickel	Ni	7440-02-0	0.529	100.00
High Alloyed SMD Lid	Manganese	Mn	7439-96-5	0.005	100.00
High Alloyed SMD Lid	Silicon	Si	7440-21-3	0.002	100.00
High Alloyed SMD Lid	Carbon	C	7440-44-0	0.000	0.00
IC	Silicon	Si	7440-21-3	0.297	100.00
Plating	Silver	Ag	7440-22-4	0.308	100.00
SMD Base Ceramic	Aluminium oxide	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	3.155	92.49
	Calcium-oxide	CaO	1305-78-8	0.017	0.50
	Chromium(III)oxide	Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.017	0.50
	Magnesium-oxide	MgO	1309-48-4	0.017	0.50
	Molybdenum	Mo	7439-98-7	0.034	1.00
	Silicon dioxide	SiO <sub>2</sub>	14808-60-7	0.171	5.01
SMD Base Electrode	Cobalt	Co	7440-48-4	0.185	92.96
	Gold	Ag	7440-22-4	0.011	5.53
	Thallium	Tl	7440-28-0	0.003	1.51
SMD Base Seal Ring	Carbon	C	7440-44-0	0.000	0.00
	Cobalt	Co	7440-48-4	0.179	17.16
	Iron	Fe	7439-89-6	0.555	53.21
	Manganese	Mn	7439-96-5	0.003	0.29
	Nickel	Ni	7440-02-0	0.305	29.24
	Silicon	Si	7440-21-3	0.001	0.10
SMD Base Silver Brazing	Copper	Cu	7440-50-8	0.043	15.03
	Silver	Ag	7440-22-4	0.243	84.97
blank mounting	Epoxy resin	Epoxy resin trade secret	0	0.090	30.00
	Silver	Ag	7440-22-4	0.210	70.00
<b>Total Mass:</b>				<b>8.344 mg</b>	

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