

Material Composition Data

Product: GSX-531

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Timing Is Everything

GSX-531 - SM Crystal					Sub-Assembly
Sub-Assembly	Material	Substance	CAS No	Mass (mg)	% by mass
Ceramic base					
	Ceramic	Cr2O3 (Non hex)	1308-38-9	0.150	0.46
Crystal blank					
	Synthetic quartz	SiO2	14808-60-7	3.110	100.00
Electrode					
	Silver	Ag	7440-22-4	0.040	100.00
	Chromium	Cr	7440-47-3	0.000	0.00
Adhesive					
	Silicon resin	Si	7440-21-3	0.008	21.05
	Silver powder	Ag	7440-22-4	0.030	78.95
Ceramic base					
	Ceramic	Al2O3	7440-22-4	20.150	62.08
		SiO2	14808-60-7	0.980	3.02
		CaO	1305-78-8	0.140	0.43
		MgO	1309-48-4	0.130	0.40
		Mo	7439-98-7	0.216	0.67
	Kovar	Fe	7439-89-6	2.320	7.15
		Ni	7440-02-0	1.360	4.19
		Co	7440-48-4	0.870	2.68
	Ag-Cu	Ag	7440-22-4	0.910	2.80
		Cu	7440-50-8	0.160	0.49
	Gold Plating	Au	7440-57-5	0.150	0.46
		Ni	7440-02-0	0.450	1.39
	W-Mo	W	7440-33-7	4.350	13.40
		Mo	7439-98-7	0.124	0.38
Metal Cap					
	Kovar	Fe	7439-89-6	3.270	50.62
		Ni	7440-02-0	1.780	27.55
		Co	7440-48-4	1.040	16.10
	Electroless nickel platin	Ni	7440-02-0	0.330	5.11
		P	7723-14-0	0.040	0.62
Total Mass:				42.108 mg	

John Hems
 Quality Manager
 Email: j.hems@golledge.com

