

Material Composition Data

Product: GSX-331

Page 1



Timing Is Everything

GSX-331 - SM Crystal

Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Ceramic base					
	Ceramic	Al ₂ O ₃	1344-28-1	10.370	76.53
		SiO ₂	14808-60-7	0.510	3.76
		Mo	7439-98-7	0.136	1.00
	Gold plate	Au	7440-57-5	0.040	0.30
		Ni	7440-02-0	0.270	1.99
	W-Mo	W	7440-33-7	2.110	15.57
		Mo	7439-98-7	0.034	0.25
Crystal blank					
	Synthetic quartz	SiO ₂	14808-60-7	0.460	100.00
Electrode					
	Conducting silicon	Si	7440-21-3	0.002	9.09
		Ag	7440-22-4	0.015	68.18
	Silver	Ag	7440-22-4	0.005	22.73
Metal Cap					
	Ag-Cu	Ag	7440-22-4	0.662	14.81
		Cu	7440-50-8	0.258	5.77
	Electroless nickel platin	Ni	7440-02-0	0.328	7.34
	Kovar	Fe	7439-89-6	1.735	38.82
		Ni	7440-02-0	0.959	21.46
		Co	7440-48-4	0.527	11.79
Ceramic base					
	Ceramic	Cr ₂ O ₃ (Non-Hex)	1308-38-9	0.080	0.59
Total Mass:				18.501 mg	

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