

Material Composition Data

Product: GSX-333

Page 1



Golledge

Timing Is Everything

GSX-333 - SM Crystal for Bluetooth / Wireless

GSX-333 - SM Crystal for Bluetooth / Wireless					
Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Base	Ceramic	Cr2O3 (Non hex)	1308-38-9	0.070	0.49
ADHESIVE	3303F	Silver Powder		0.074	74.00
		Hydrocarbonic Solven	65997-17-3	0.008	8.00
		Silicone Resin, Othe		0.018	18.00
Base	Ceramic	Al2O3	1344-28-1	10.616	73.71
		SiO2	14808-60-7	0.518	3.60
		Mo	7439-98-7	0.176	1.22
		Co	7440-48-4	0.194	1.35
		CaO	1305-78-8	0.075	0.52
		MgO	1309-48-4	0.060	0.42
	Metallizing Plate	W	7440-33-7	2.192	15.22
		Au	7440-57-5	0.028	0.19
		Ni	7440-02-0	0.473	3.28
Crystal blank	Quartz	SiO2	14808-60-7	0.299	100.00
Electrode	GOLD TECH	Au	7440-57-5	0.099	99.00
	Metal	Cr	7440-47-3	0.001	1.00
Lid	Kovar (Ag/Cu clad lid)	Fe	7439-89-6	1.775	39.43
		Ni	7440-02-0	1.325	29.43
		Co	7440-48-4	0.561	12.46
		Ag	7440-22-4	0.594	13.19
		Mn	7439-96-5	0.012	0.27
		Si	7440-21-3	0.003	0.07
		C	7440-44-0	0.001	0.02
		Cu	7440-50-8	0.231	5.13
Total Mass:				19.403 mg	

John Hems

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