

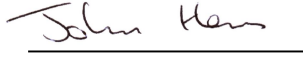
GVXO-338 - 1.8 ~ 5.0V SM VCXO					
Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Base	Ceramic	Al ₂ O ₃	1344-28-1	14.820	65.37
	Ceramic	CaO	1305-78-8	0.110	0.49
	Ceramic	SiO ₂	14808-60-7	0.720	3.18
	Ceramic	Cr ₂ O ₃	1308-38-9	0.110	0.49
	Ceramic	MgO	1309-48-4	0.100	0.44
	Ceramic	Mo	7439-98-7	0.150	0.66
	Metal Layer	W	7440-33-7	2.980	13.14
	Metal Layer	Mo	7439-98-7	0.092	0.41
	Plated Au	Au	7440-57-5	0.130	0.57
	Plated Ni	Ni	7440-02-0	0.383	1.69
	Plated Ni	Co	7440-48-4	0.096	0.42
	Seal Ring	Ni	7440-02-0	0.650	2.87
	Seal Ring	Co	7440-48-4	0.381	1.68
	Seal Ring	Fe	7439-89-6	1.210	5.34
	Solder	Ag	7440-22-4	0.630	2.78
	Solder	Cu	7440-50-8	0.110	0.49
	Cap	Kovar	Fe	7439-89-6	1.526
Kovar		Ni	7440-02-0	0.835	27.49
Kovar		Co	7440-48-4	0.459	15.11
Kovar		Mn	7439-96-5	0.007	0.23
Kovar		Si	7440-21-3	0.001	0.03
Kovar		C	7440-44-0	0.000	0.00
Ni Plate		Ni	7440-02-0	0.210	6.91
Crystal	Adhesive	Ag	7440-22-4	0.148	21.33
	Adhesive	Silicon Resin	7631-86-9	0.025	3.60
	Adhesive	SiO ₂	14808-60-7	0.025	3.60
	Crystal	SiO ₂	14808-60-7	0.484	69.74
	Electrode material	Ag	7440-22-4	0.012	1.73
	Electrode material	Ni	7440-02-0	0.000	0.00
IC	Adhesive	Ag		0.188	28.14
	Aluminium	Al	7429-90-5	0.001	0.15
	Copper	Cu	7440-50-8	0.000	0.00
	Epoxy resin	Epoxy resin trade secret		0.063	9.43
	Silicon	Si	7440-21-3	0.129	19.31
	Tungsten	W	7440-33-7	0.000	0.00
	Wire	Au		0.287	42.96

Material Composition Data

Product: GVXO-338

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Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
				Total Mass:	27.072 mg
					
				John Hems Quality Manager Email: j.hems@golledge.com	