



Material Composition Sheet

Product: GO1515-CTAE3
Package Type: VCO- reels of 3K,5v
Manufacturer: Gennum Corporation

Date: 06-Dec-2006

Component	BOM	Weight of Component (mg)	Substance	Weight of Substance (mg)	Homogeneous Material				
					%	ppm			
Capacitor		19.20	Copper	0.24	1.25	12500			
			Copper	2.97	15.46	154688			
			Nickel	0.03	0.15	1563			
			Nickel	0.05	0.26	2604			
			Nickel	0.33	1.71	17188			
			Nickel	0.66	3.43	34375			
			Tin	0.06	0.31	3125			
			Tin	0.66	3.43	34375			
			Titanic acid barium system	1.22	6.35	63542			
			Titanic acid barium system	12.98	67.60	676042			
			Sub-total:	19.20	99.95	1000002			
			Case		54.94	Copper	35.61	64.81	648162
						Iron	0.01	0.01	182
Lead	0.01	0.01				182			
Manganese and its compound	0.18	0.32				3276			
Nickel	9.34	17.00				170004			
Zinc and its compound	9.79	17.81				178194			
Sub-total:	54.94	99.96				1000000			
Diode		1.81	3 antimony oxide	0.02	1.10	11050			
			Copper	0.50	27.62	276243			
			Epoxy Resin	1.20	66.29	662983			
			Gold	0.03	1.65	16575			
			Otherbrominesystemresistance	0.02	1.10	11050			
			Silicone	0.02	1.10	11050			
			Tin	0.02	1.10	11050			
			Sub-total:	1.81	99.96	1000001			
Print Circuit Board		82.80	Acrylic resin	1.31	1.58	15821			
			Barium sulfate	0.71	0.85	8575			
			Copper	34.25	41.36	413647			
			Epoxy Resin	0.36	0.43	4348			
			Epoxy Resin	17.97	21.70	217029			
			Glass	22.47	27.13	271377			
			Gold	0.04	0.04	483			
			Halogenated epoxy resin	4.50	5.43	54348			
			Nickel	1.19	1.43	14372			
			Sub-total:	82.80	99.95	1000000			
Resistor		2.54	Ag	0.11	4.33	43307			
			Al2O3	1.78	70.07	700787			
			CaO	0.01	0.39	3937			
			Carbon Black	0.02	0.78	7874			
			Epoxy Resin	0.16	6.29	62992			
			MgO	0.02	0.78	7874			
			Ni	0.17	6.69	66929			
			PbO	0.03	1.18	11811			
			Pd	0.00	0.00	0			
			RuO2	0.01	0.39	3937			
			SiO2	0.04	1.57	15748			
			Silica	0.03	1.18	11811			
			Sn	0.16	6.29	62992			
			Sub-total:	2.54	99.94	999999			
Solder Paste		12.92	Antimony	0.65	5.03	50310			
			Tin	12.27	94.96	949690			
			Sub-total:	12.92	99.99	1000000			
Transistor		5.99	3 antimony oxide	0.07	1.16	11686			
			Bismuth	0.01	0.16	1669			
			BrominatedEpoxyResin	0.07	1.16	11686			

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		Copper alloy	1.90	31.71	317195
		Epoxy Resin	0.80	13.35	133556
		Gold	0.04	0.66	6678
		Organophosphorus compound	0.00	0.00	0
		Silica	2.46	41.06	410684
		Silicone	0.10	1.66	16694
		Silver	0.06	1.00	10017
		Tin	0.48	8.01	80134
		Sub-total:	5.99	99.93	999999
	Total:	180.20			

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