

Device	VS8033C/LSR-ROHS
Package type:	LQFP 7x7x1.4mm, 48L
Total weight (g):	0.185997 gm

**TABLE OF MATERIAL DECLARATION**

No.	BOM	Material Name	Weight (gram)	Materials Analysis (Element)	CAS Number	Material Mass (Gram)	Material (Weight %)	Material PPM	Package Composition (Weight %)	Package Composition (Weight ppm)	
1	Die Attach	ABLEBOND 3230 (EPAB0010)	0.002979	Ag	7440-22-4	0.002157	72.400000	724000.000000	1.159586%	11595.864449	
				Epoxy compound	-	0.000539	18.100000	181000.000000	0.289897%	2898.966112	
				Anhydrides	-	0.000202	6.790000	67900.000000	0.108751%	1087.512702	
				Polymeric material	-	0.000081	2.710000	27100.000000	0.043404%	434.044097	
			0.002979	100.000000	1000000.000000	1.601639%	16016.387361				
2	Die	Silicon	0.014293			0.014293	100.000000	1000000.000000	7.684533%	76845.325462	
						0.014293	100.000000	1000000.000000	7.684533%	76845.325462	
3	Mold Compound	SUMITOMO EME-G700E (MCSM0053)	0.120000	Silica fused	60676-86-0	0.104292	86.910000	869100.000000	56.071872%	560718.721270	
				Epoxy & Phenol resin	-	0.015336	12.780000	127800.000000	8.245294%	82452.942789	
				Carbon black	1333-86-4	0.000372	0.310000	3100.000000	0.200003%	2000.032259	
							0.120000	100.000000	1000000.000000	64.517170%	645171.696318
4	Wire	MKE (GWMK0022), UB-type (1.0 mils)	0.000705	Gold	7440-57-5	0.000705	99.990000	999900.000000	0.379000%	3790.004677	
				Others	-	0.000000	0.010000	100.000000	0.000038%	0.379038	
						0.000705	100.000000	1000000.000000	0.379038%	3790.383716	
5	Lead finish	Pure Tin	0.000020	Sn	7440-31-5	0.000020	100.000000	1000000.000000	0.010753%	107.528616	
						0.000020	100.000000	1000000.000000	0.010753%	107.528616	
6	Leadframe	001431A, R002-1048X (C7025)	0.048000	Cu	7440-50-8	0.045723	95.256483	952564.830000	24.582715%	245827.146889	
				Si	7440-21-3	0.000309	0.643625	6436.250000	0.166099%	1660.994532	
				Ni	7440-02-0	0.001426	2.970576	29705.760000	0.766613%	7666.126228	
				Mg	7439-95-4	0.000071	0.148529	1485.290000	0.038331%	383.306828	
				Ag	7440-22-4	0.000471	0.980787	9807.870000	0.253110%	2531.104050	
							0.048000	100.000000	1000000.000000	25.806868%	258068.678527
<b>Total Package Weight</b>			<b>0.185997</b>					<b>100.00000%</b>	<b>1000000.000000</b>		

Substance	RoHS restriction hazardous substance limit	Compliance with RoHS
Cadmium/Cadmium Compounds	max 100ppm	Yes
Hexavalent Chromium/Hexavalent Chromium Compounds	max 1,000ppm	Yes
Lead/Lead Compounds	max 1,000 ppm	Yes
Mercury /Mercury Compounds	max 1,000ppm	Yes
Polybrominated Biphenyls (PBBs)	max 1,000ppm	Yes
Polybrominated Diphenyl Ethers (PBDEs)	max 1,000ppm	Yes