

VLSI SOLUTION OY - VS1011E-S/LSR-ROHS – SOIC28X300X0X0 - document A

Component	Weight (mg)	Type	Material	CAS#	%	Weight (mg)
Chip	27.297		Silicon	7440-21-3	100.00	27.297
Lead Frame	256.468	A194	Copper	7440-50-8	97.15	247.192
			Fe	7439-89-6	2.5	6.361
			Ni	7440-02-0	0	0.000
			Sn	7440-31-5	0	0.000
			P	7723-14-0	0.15	0.382
			Zn	7440-66-6	0.2	0.509
			Co	7440-48-4	0	0.000
			Si	7440-21-3	0	0.000
			Zr	-	0	0.000
			Al	7429-90-5	0	0.000
			Mn	7439-96-5	0	0.000
			Cr	7440-47-3	0	0.000
			Mg	7439-95-4	0	0.000
			C	7440-44-0	0	0.000
			S	7704-34-9	0	0.000
				Ag	Silver	7440-22-4
Mold Compound	529.866	SUMIKON EMEG700LX	Silica Fused	60676-86-0	81.50	431.841
			Epoxy Resin	Trade Secret	10.00	52.987
			Phenol Resin	-	8.00	42.389
			Phenol Novolac	9003-35-4	0.00	0.000
			Antimony Trioxide	1309-64-4	0.00	0.000
			Brominated Epoxy Resin	68541-56-0	0.00	0.000
			Carbon Black	1333-86-4	0.50	2.649
			Epoxy, Cresol Novolac	29690-82-2	0.00	0.000
			Others	-	0.00	0.000
Bonding Wire	0.661	Wire Dia : 1 mils	Gold	7440-57-5	99.99	0.661
			Dopant	-	0.01	0.000
Epoxy	1.551	CRM 1076NS	Silver (Ag)	7440-22-4	78.50	1.217
			Epoxy Resin	Proprietary	11.00	0.171
			Epoxy Resin A	9003-36-5	0.00	0.000
			Epoxy resin B	5026-74-4	0.00	0.000
			T-Butyl phenyl glycidyl ether	3101-60-8	0.00	0.000
			Butyl Cellosolve acetate	112-07-2	0.00	0.000
			Diluent	26647-14-3	6.00	0.093
			Dicydiamide	461-58-5	1.00	0.016
			Hardener	620-92-8	3.50	0.054
			HardenerA	Trade Secret	0.00	0.000
			HardenerB	Trade Secret	0.00	0.000
			Aromatic Amine	Proprietary	0.00	0.000
			Elastmer	Trade Secret	0.00	0.000
			1,1,1-Tris(p-hydroxyphenyl) ethane	27955-94-8	0.00	0.000
			Acrylic Resin	Trade Secret	0.00	0.000
			Polybutadiene derivative	Trade Secret	0.00	0.000
			Butadiene Copolymer	Trade Secret	0.00	0.000
			Acrylate	Trade Secret	0.00	0.000
			Peroxide	Trade Secret	0.00	0.000
			Additive	Trade Secret	0.00	0.000
			Gamma - Butyrolactone	96-48-0	0.00	0.000
			Phenolic Resin	Proprietary	0.00	0.000
			Plating	6.867	LEAD FREE Sn 100	Sn
Pb	7439-92-1	0.01				0.001
Cu	7440-50-8	0.01				0.001
As	7440-38-2	0.00				0.000
Cd	7440-43-9	0.00				0.000
Fe	7439-89-6	0.00				0.000
Bi	7440-69-9	0.00				0.000
Ag	7440-22-4	0.00				0.000
Sb	7440-36-0	0.00				0.000
Al	7429-90-5	0.00				0.000
Zn	7440-66-6	0.00				0.000
Ni	7440-02-0	0.00				0.000
In	7440-74-6	0.00				0.000
Au	7440-57-5	0.00				0.000
Total Weight	822.709					822.709