

**4 Leads - VA**  
**Package Material Declaration**



Date	27-Apr-20	Product name	Integrated Circuit
Package Code	VA	RoHS Compliant	Y
Package Name	Plastic Single in Line, thickness 1.1-1.2mm	Halogen Free	N
Product Total Mass (g)	0.11979	Plating	Pure Matte Sn

<b>Product Number</b>	MLX90254
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**Material Declaration**

Part Name	Material Name	Component Weight (g)	Material Component (Element)	CAS #	Element ratio (%)	Material Weight (g)	Ratio total Wt (ppm)
Leadframe	Zirconium Copper C151	0.0812	Copper (Cu)	7440-50-8	99.9	0.08110	677056
			Zirconium (Zr)	7440-67-7	0.1	0.00008	678
Plating	Silver	0.0017	Silver (Ag)	7440-22-4	100	0.00175	14602
Die	Silicon	0.0028	Silicon (Si)	7440-21-3	99.99	0.00277	23137
			other	-	0.01	0.0000003	2
Die attach material	Silver Epoxy Adhesive 8340	0.00040	Silver (Ag)	7440-22-4	78	0.00031	2593
			Epoxy Resin	Trade Secret	20	0.00008	665
			other	-	2	0.00001	66
Wire	Gold	0.0002	Gold (Au)	7440-57-5	99.99	0.00021	1764
			other	-	0.01	0.00000002	0.2
Lead Finish	Tin	0.0039	Tin (Sn)	7440-31-5	99.99	0.00390	32576
			other	-	0.01	0.0000004	3
Encapsulation	Epoxy resin EME-6600CSP	0.02956	Silica Fused	60676-86-0	80.7	0.02386	199147
			Epoxy Resin	-	10	0.00296	24677
			Phenol Novolac	9003-35-4	5	0.00148	12339
			Antimony Trioxide	1309-64-4	2	0.00059	4935
			Brominated Epoxy Resin	68541-56-0	2	0.00059	4935
Carbon Black	1333-86-4	0.3	0.00009	740			
Ink	Acrylic lacquer 9060	0.00001	Aluminum (Al)	7429-90-5	30	0.000003	25
			Pentaerythritol Triacrylate	3524-68-3	30	0.000003	25
			Acrylate	Trade Secret	30	0.000003	25
			Methoxyphenol	150-76-5	0.1	0.00000001	0.1
			others	-	9.9	0.000001	8

**Total package weight (g)** 0.11979

**Comments**

- Composition derived from MSDS and material CoC from vendors
- Component weight based on assembly of generic parts
- Reliability qualification reports are available upon request through the appropriate sales or marketing contact
- Third party testing for RoHS substances are available upon request to environment@melexis.com

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