



Materials Declaration Report

Package	GL34
Device(Selector Guide Name)	BYM07/GL34/EGL34/RGL34 series
Report Date:	1/12/2021
Supplier Company Name	Vishay Micro-electronics (Xi'an) Co.,Ltd
Supplier Contact Person name	Novia Lee
Supplier Contact Email	Novia.lee@vishay.com
Supplier Phone	86 29 6859 0888 Ext7315

Exemptions

RoHS - 7a Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)	N
RoHS - 7 (c) - I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (piezoelectronic devices) or in a glass or ceramic matrix compound	Y

Compliance Information

Part(s) RoHS Compliant **Yes**

Test Methods

Test Item (s):	Method
Cadmium/Cadmium Compounds	IEC 62321
Chromium VI (Cr+6)	IEC 62321
Lead/Lead Compounds	IEC 62321
Mercury/Mercury Compounds	IEC 62321
Polybrominated Biphenyls (PBBs)	IEC 62321
Polybrominated Diphenylethers (PBDEs)	IEC 62321



Material Declaration Data Sheet

Package Family	GL34
Date	2021/1/12

Composition part	Material Description	Weight (g)	Substance Name	CAS Number	Typical Substance weight(g)	%	PPM	% of Total Weight
Chip	Electronics (e.g. pc boards, displays)	0.00018	Silicon	7440-21-3	0.00018	100.00	1000000	0.50
Molybdenum Slug	Other special metals	0.00920	Molybdenum	7439-98-7	0.00920	100.00	1000000	25.55
Glass Powder	Ceramics / glass	0.00320	Diboron-trioxide	1303-86-2	0.00106	33.00	330000	2.94
			Silicon dioxide	7631-86-9	0.00024	7.45	74500	0.66
			Zinc oxide	1314-13-2	0.00176	55.00	550000	4.89
			Lead-monoxide	1317-36-8	0.00013	4.00	40000	0.36
			Cerium-dioxide	1306-38-3	0.00002	0.50	5000	0.04
			Dibismuth-trioxide	1304-76-3	0.00000	0.05	500	0.00
Lead Frame	Copper	0.01620	Copper	7440-50-8	0.01620	100.00	999800	45.00
Solder 80	Other special metals	0.00017	Copper	7440-50-8	0.00014	80.00	800000	0.39
			Silver	7440-22-4	0.00003	15.00	150000	0.07
			Phosphorus	7723-14-0	0.00001	5.00	50000	0.02
Encapsulation	Other duromers	0.00640	Silica, fused	60676-86-0	0.00448	70.00	700000	12.45
			Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol	29690-82-2	0.00096	15.00	150000	2.67
			Formaldehyde, oligomeric reaction products with phenol	9003-35-4	0.00064	10.00	100000	1.78
			2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	40039-93-8	0.00013	2.00	20000	0.36
			Antimony trioxide	1309-64-4	0.00013	2.00	20000	0.36
			Carbon black	1333-86-4	0.00006	1.00	10000	0.18
Surface finish	Other special metals	0.00059	Tin	7440-31-5	0.00059	100.00	1000000	1.65
Marking	Ink	0.00005	2-Propenic, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 3a,4,7,7a-tetrahydro-1,3-isobenzofurandione	53192-18-0	0.00003	60.00	600000	0.08
			3-Methylbutyl 4-Dimethylaminobenzoate	21245-01-2	0.00001	10.00	100000	0.01
			Dye	-	0.00001	15.00	150000	0.02
			1-Hydroxycyclohexyl phenyl ketone	947-19-3	0.00000	5.00	50000	0.01
			Titanium Dioxide	13463-67-7	0.00001	10.00	100000	0.01
Total weight		0.036						

Company	Vishay Micro- electronics (Xi'an) Co., Ltd
Address	No. 20, Xinxu Avenue, New Industrial Park, Xi'an Hi-tech Industry Development Zone, Xi'an City, Shaanxi Province
Internet	www.vishay.com

Vishay Micro-electronics (Xi'an) Co.,Ltd

****APPROVED****