

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IM69D120V01	**Issued**	22. April 2022
MA#	MA004542788		
Package	PG-LLGA-5-1	**Weight***	33.69 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	3.365	9.99	9.99	99862	99862
chip_2	inorganic material	silicon	7440-21-3	0.299	0.89	0.89	8870	8870
wire	noble metal	gold	7440-57-5	0.033	0.10	0.10	994	994
encapsulation	inorganic material	silicondioxide	60676-86-0	0.328	0.97		9734	
	plastics	silicone resin	-	2.952	8.76	9.73	87605	97339
leadfinish	noble metal	gold	7440-57-5	0.124	0.37		3691	
	non noble metal	nickel	7440-02-0	0.142	0.42	0.79	4210	7901
lid attach material	non noble metal	copper	7440-50-8	0.001			23	
	noble metal	silver	7440-22-4	0.005	0.01		138	
	non noble metal	tin	7440-31-5	0.150	0.45	0.46	4455	4616
lid	non noble metal	zinc	7440-66-6	5.868	17.42		174156	
	non noble metal	copper	7440-50-8	10.897	32.34	49.76	323434	497590
glue	organic material	carbon black	1333-86-4	0.000			7	
	inorganic material	silicondioxide	60676-86-0	0.020	0.06		581	
	plastics	silicone	-	0.030	0.09	0.15	883	1471
tape	plastics	acryl-epoxy resin	-	0.060	0.18	0.18	1768	1768
solder resists	plastics	epoxy resin	-	0.220	0.65		6540	
	inorganic material	bariumsulfate	7727-43-7	0.338	1.00		10035	
	plastics	acrylic resin	-	0.391	1.16	2.81	11614	28189
substrate metal	non noble metal	copper	7440-50-8	5.010	14.87	14.87	148704	148704
substrate plastic	plastics	bismaleimide triazine resin	-	0.865	2.57		25674	
	inorganic material	aluminiumhydroxide	21645-51-2	0.952	2.82		28241	
	inorganic material	glass fibre	-	1.644	4.88	10.27	48781	102696
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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