

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA075N15N3 G	**Issued**	30. March 2021
MA#	MA001333876		
Package	PG-TO220-3-313	**Weight***	2203.13 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	17.562	0.80	0.80	7972	7972
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.94	40.99	409485	410018
wire	non noble metal	aluminium	7429-90-5	12.679	0.58	0.58	5755	5755
encapsulation	organic material	carbon black	1333-86-4	2.339	0.11		1062	
	plastics	epoxy resin	-	209.580	9.51		95128	
	inorganic material	silicondioxide	60676-86-0	895.857	40.66	50.28	406628	502818
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3575	3575
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	752	752
solder	non noble metal	antimony	7440-36-0	0.719	0.03		327	
	noble metal	silver	7440-22-4	1.799	0.08		816	
	non noble metal	tin	7440-31-5	4.676	0.21	0.32	2123	3266
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.58	6.59	65758	65844
*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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