

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA060N06N	**Issued**	04. April 2021
MA#	MA001692506		
Package	PG-TO220-3-313	**Weight***	2208.81 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	1.049	0.05	0.05	475	475
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.84	40.89	408433	408965
wire	non noble metal	aluminium	7429-90-5	3.922	0.18	0.18	1776	1776
encapsulation	organic material	carbon black	1333-86-4	2.297	0.10		1040	
	plastics	epoxy resin	-	215.350	9.75		97496	
	inorganic material	silicondioxide	60676-86-0	927.465	41.99	51.84	419893	518429
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.081			36	
	noble metal	silver	7440-22-4	0.201	0.01		91	
	non noble metal	tin	7440-31-5	0.524	0.02	0.03	237	364
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	6.56	6.57	65589	65675
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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