

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA057N06N3 G	**Issued**	16. January 2020
MA#	MA004396778		
Package	PG-TO220-3-313	**Weight***	2208.78 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	3.393	0.15	0.15	1536	1536
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	408439	408971
wire	non noble metal	aluminium	7429-90-5	8.155	0.37	0.37	3692	3692
encapsulation	organic material	carbon black	1333-86-4	2.297	0.10		1040	
	plastics	epoxy resin	-	214.037	9.69		96903	
	inorganic material	silicondioxide	60676-86-0	920.891	41.70	51.49	416923	514866
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	0.208	0.01		94	
	noble metal	silver	7440-22-4	0.521	0.02		236	
	non noble metal	tin	7440-31-5	1.355	0.06	0.09	613	943
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		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	65590	65676
*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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