



Material Content Data Sheet



Sales Product Name	IPA032N06N3 G			Issued		7. January 2020		
MA#	MA001604610							
Package	PG-TO220-3-313			Weight*		2209.14 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	6.442	0.29	0.29	2916	2916
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	408371	408903
wire	non noble metal	aluminium	7429-90-5	13.921	0.63	0.63	6302	6302
encapsulation	organic material	carbon black	1333-86-4	2.291	0.10		1037	
	plastics	epoxy resin	-	212.370	9.61		96133	
	inorganic material	silicondioxide	60676-86-0	912.920	41.32	51.03	413247	510417
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	0.327	0.01		148	
	noble metal	silver	7440-22-4	0.818	0.04		370	
	non noble metal	tin	7440-31-5	2.126	0.10	0.15	963	1481
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	65579	65665
*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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