



Material Content Data Sheet



Sales Product Name				IPA032N06N3 G		Issued		19. January 2018	
MA#				MA000480948					
Package				PG-TO220-3-111		Weight*		2329.36 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	0.28	0.28	2766	2766	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		295		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		88		
	non noble metal	copper	7440-50-8	686.221	29.46	29.50	294597	294980	
wire	non noble metal	aluminium	7429-90-5	91.097	3.91	3.91	39108	39108	
encapsulation	organic material	carbon black	1333-86-4	2.239	0.10		961		
	plastics	epoxy resin	-	207.305	8.90		88997		
	inorganic material	silicondioxide	60676-86-0	890.966	38.24	47.24	382495	472454	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.34	0.34	3409	3409	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		131		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	131	
solder	non noble metal	antimony	7440-36-0	0.327	0.01		140		
	noble metal	silver	7440-22-4	0.818	0.04		351		
	non noble metal	tin	7440-31-5	2.126	0.09	0.14	913	1404	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		186		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		56		
	non noble metal	copper	7440-50-8	432.110	18.55	18.58	185506	185748	
*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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