



Material Content Data Sheet



Sales Product Name		IPA105N15N3 G		Issued		15. October 2014		
MA#		MA001156600						
Package		PG-TO220-3-111		Weight*		2244.28 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	10.752	0.48	0.48	4791	4791
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.58	30.62	305765	306163
wire	non noble metal	aluminium	7429-90-5	10.702	0.48	0.48	4769	4769
encapsulation	organic material	carbon black	1333-86-4	2.284	0.10		1018	
	plastics	epoxy resin	-	205.970	9.18		91776	
	inorganic material	silicondioxide	60676-86-0	881.408	39.27	48.55	392735	485529
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3539	3539
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	392734	136
solder	non noble metal	antimony	7440-36-0	0.512	0.02		228	
	noble metal	silver	7440-22-4	1.281	0.06		571	
	non noble metal	tin	7440-31-5	3.331	0.15	0.23	1484	2283
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.25	19.28	192539	192790
*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 2011/65/EU (RoHS) and does not use any exemption.

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