



Material Content Data Sheet



Sales Product Name		IPA040N06N		Issued		23. January 2018		
MA#		MA001215348						
Package		PG-TO220-3-111		Weight*		2243.93 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	1.427	0.06	0.06	636	636
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	305812	306210
wire	non noble metal	aluminium	7429-90-5	5.878	0.26	0.26	2619	2619
encapsulation	organic material	carbon black	1333-86-4	2.229	0.10		994	
	plastics	epoxy resin	-	208.371	9.29		92860	
	inorganic material	silicondioxide	60676-86-0	896.936	39.98	49.37	399715	493570
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	1	136
solder	non noble metal	antimony	7440-36-0	0.106	0.00		47	
	noble metal	silver	7440-22-4	0.264	0.01		118	
	non noble metal	tin	7440-31-5	0.686	0.03	0.04	306	471
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	19.26	19.29	192568	192819
*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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