



Material Content Data Sheet



Sales Product Name				IPP086N10N3 G		Issued		6. May 2016	
MA#				MA000973700					
Package				PG-TO220-3-1		Weight*		2032.02 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	4.609	0.23	0.23	2268	2268	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401243	401767	
wire	non noble metal	aluminium	7429-90-5	6.712	0.33	0.33	3303	3303	
encapsulation	organic material	carbon black	1333-86-4	5.897	0.29		2902		
	plastics	epoxy resin	-	112.044	5.51		55139		
	inorganic material	silicondioxide	60676-86-0	471.762	23.22	29.02	232165	290206	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10562	10562	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120	
solder	non noble metal	antimony	7440-36-0	0.266	0.01		131		
	noble metal	silver	7440-22-4	0.665	0.03		327		
	non noble metal	tin	7440-31-5	1.728	0.08	0.12	850	1308	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290089	290466	
*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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