



Material Content Data Sheet



Sales Product Name		IPP057N06N3 G		Issued		22. October 2015		
MA#		MA000765682						
Package		PG-TO220-3-123		Weight*		2033.12 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	3.393	0.17	0.17	1669	1669
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	401027	401549
wire	non noble metal	aluminium	7429-90-5	58.285	2.87	2.87	28668	28668
encapsulation	organic material	carbon black	1333-86-4	2.157	0.11		1061	
	plastics	epoxy resin	-	62.548	3.08		30765	
	inorganic material	silicondioxide	60676-86-0	474.503	23.34	26.53	233386	265212
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10688	10688
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	878	878
solder	non noble metal	antimony	7440-36-0	0.209	0.01		103	
	noble metal	silver	7440-22-4	0.522	0.03		257	
	non noble metal	tin	7440-31-5	1.357	0.07	0.11	667	1027
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	28.99	29.03	289932	290309
*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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