



Material Content Data Sheet



Sales Product Name				IPP040N06N3 G		Issued		25. September 2017	
MA#				MA000966350					
Package				PG-TO220-3-1		Weight*		2039.10 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	5.184	0.25	0.25	2542	2542	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		400		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	39.99	40.04	399851	400372	
wire	non noble metal	aluminium	7429-90-5	64.003	3.14	3.14	31388	31388	
encapsulation	organic material	carbon black	1333-86-4	5.385	0.26		2641		
	plastics	epoxy resin	-	102.316	5.02		50177		
	inorganic material	silicondioxide	60676-86-0	430.802	21.13	26.41	211271	264089	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10657	10657	
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	0.280	0.01		137		
	noble metal	silver	7440-22-4	0.701	0.03		344		
	non noble metal	tin	7440-31-5	1.822	0.09	0.13	893	1374	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		289		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.91	28.95	289082	289458	
*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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