



Material Content Data Sheet



Sales Product Name				IPP040N06N3 G		Issued		25. September 2017	
MA#				MA000977580					
Package				PG-TO220-3-123		Weight*		2033.87 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	2549	2549	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.09	40.14	400879	401400	
wire	non noble metal	aluminium	7429-90-5	59.585	2.93	2.93	29297	29297	
encapsulation	organic material	carbon black	1333-86-4	2.146	0.11		1055		
	plastics	epoxy resin	-	62.226	3.06		30595		
	inorganic material	silicondioxide	60676-86-0	472.062	23.21	26.38	232101	263751	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10553	10553	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867	
solder	non noble metal	antimony	7440-36-0	0.281	0.01		138		
	noble metal	silver	7440-22-4	0.702	0.03		345		
	non noble metal	tin	7440-31-5	1.824	0.09	0.13	897	1380	
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	28.98	29.02	289826	290203	
*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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