



Material Content Data Sheet



Sales Product Name				IPP024N06N3 G		Issued		27. September 2017	
MA#				MA000840938					
Package				PG-TO220-3-123		Weight*		2041.25 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	10.427	0.51	0.51	5108	5108	
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	39.94	39.99	399430	399950	
wire	non noble metal	aluminium	7429-90-5	97.042	4.75	4.75	47540	47540	
encapsulation	organic material	carbon black	1333-86-4	1.996	0.10		978		
	plastics	epoxy resin	-	57.871	2.84		28351		
	inorganic material	silicondioxide	60676-86-0	439.025	21.51	24.45	215076	244405	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.06	1.06	10646	10646	
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	875	875	
solder	non noble metal	antimony	7440-36-0	0.474	0.02		232		
	noble metal	silver	7440-22-4	1.185	0.06		581		
	non noble metal	tin	7440-31-5	3.082	0.15	0.23	1510	2323	
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	28.88	28.92	288777	289153	
*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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