



Material Content Data Sheet



Sales Product Name		IPP032N06N3 G		Issued		25. September 2017		
MA#		MA000733098						
Package		PG-TO220-3-123		Weight*		2038.58 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	6.442	0.32	0.32	3160	3160
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	39.98	40.03	399953	400473
wire	non noble metal	aluminium	7429-90-5	90.412	4.44	4.44	44351	44351
encapsulation	organic material	carbon black	1333-86-4	2.033	0.10		997	
	plastics	epoxy resin	-	58.963	2.89		28924	
	inorganic material	silicondioxide	60676-86-0	447.306	21.94	24.93	219420	249341
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10660	10660
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	876	876
solder	non noble metal	antimony	7440-36-0	0.328	0.02		161	
	noble metal	silver	7440-22-4	0.819	0.04		402	
	non noble metal	tin	7440-31-5	2.129	0.10	0.16	1044	1607
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	28.92	28.96	289155	289532
*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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