



Material Content Data Sheet



Sales Product Name		IPP024N06N3 G		Issued		20. July 2018		
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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