



Material Content Data Sheet



Sales Product Name		IPP030N10N3 G		Issued		25. September 2017		
MA#		MA001114538						
Package		PG-TO220-3-123		Weight*		2032.39 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	15.455	0.76	0.76	7604	7604
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.12	40.17	401172	401695
	non noble metal	aluminium	7429-90-5	10.443	0.51	0.51	5138	5138
wire	non noble metal	aluminium	7429-90-5	10.443	0.51	0.51	5138	5138
encapsulation	organic material	carbon black	1333-86-4	2.281	0.11		1122	
	plastics	epoxy resin	-	66.144	3.25		32545	
	inorganic material	silicondioxide	60676-86-0	501.781	24.69	28.05	246893	280560
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10560	10560
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.643	0.03		316	
	noble metal	silver	7440-22-4	1.606	0.08		790	
	non noble metal	tin	7440-31-5	4.177	0.21	0.32	2055	3161
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	29.00	29.04	290037	290414
*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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