



Material Content Data Sheet



Sales Product Name				IPP028N08N3 G		Issued		25. January 2018	
MA#				MA001299310					
Package				PG-TO220-3-123		Weight*		2031.08 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	12.294	0.61	0.61	6053	6053	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401430	401953	
wire	non noble metal	aluminium	7429-90-5	8.310	0.41	0.41	4091	4091	
encapsulation	organic material	carbon black	1333-86-4	2.300	0.11		1132		
	plastics	epoxy resin	-	66.688	3.28		32834		
	inorganic material	silicondioxide	60676-86-0	505.905	24.91	28.30	249082	283048	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10699	10699	
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	879	879	
solder	non noble metal	antimony	7440-36-0	0.543	0.03		268		
	noble metal	silver	7440-22-4	1.359	0.07		669		
	non noble metal	tin	7440-31-5	3.533	0.17	0.27	1739	2676	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290223	290601	
*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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