



Material Content Data Sheet



Sales Product Name				IPP032N06N3 G		Issued		20. July 2018	
MA#				MA000973662					
Package				PG-TO220-3-1		Weight*		2042.59 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	3154	3154	
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	39.92	39.97	399166	399687	
wire	non noble metal	aluminium	7429-90-5	89.332	4.37	4.37	43735	43735	
encapsulation	organic material	carbon black	1333-86-4	5.149	0.25		2521		
	plastics	epoxy resin	-	97.838	4.79		47899		
	inorganic material	silicondioxide	60676-86-0	411.952	20.17	25.21	201681	252101	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.06	1.06	10639	10639	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120	
solder	non noble metal	antimony	7440-36-0	0.327	0.02		160		
	noble metal	silver	7440-22-4	0.818	0.04		400		
	non noble metal	tin	7440-31-5	2.126	0.10	0.16	1041	1601	
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	28.86	28.90	288587	288963	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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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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