



Material Content Data Sheet



Sales Product Name		IPP057N06N3 G		Issued		9. January 2019		
MA#		MA002428716						
Package		PG-TO220-3-123		Weight*		2026.31 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	3.393	0.17	0.17	1675	1675
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.22	40.27	402374	402898
	non noble metal	aluminium	7429-90-5	5.920	0.29	0.29	2922	2922
wire	non noble metal	aluminium	7429-90-5	5.920	0.29	0.29	2922	2922
encapsulation	organic material	carbon black	1333-86-4	2.340	0.12		1155	
	plastics	epoxy resin	-	67.867	3.35		33493	
	inorganic material	silicondioxide	60676-86-0	514.850	25.41	28.88	254082	288730
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10592	10592
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.209	0.01		103	
	noble metal	silver	7440-22-4	0.522	0.03		257	
	non noble metal	tin	7440-31-5	1.357	0.07	0.11	669	1029
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.09	29.13	290906	291284
*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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