



## Material Content Data Sheet



Sales Product Name	IPP057N06N3 G			Issued		16. January 2020		
MA#	MA002428716							
Package	PG-TO220-3-123			Weight*		2027.76 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	1673	1673
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	40.19	40.24	402087	402611
wire	non noble metal	aluminium	7429-90-5	7.366	0.36	0.36	3633	3633
encapsulation	organic material	carbon black	1333-86-4	2.340	0.12		1154	
	plastics	epoxy resin	-	67.867	3.35		33469	
	inorganic material	silicondioxide	60676-86-0	514.850	25.39	28.86	253901	288524
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10584	10584
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	29.07	29.11	290698	291076
*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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