



Material Content Data Sheet



Sales Product Name		IPP040N06N3 G		Issued		14. September 2018		
MA#		MA002428718						
Package		PG-TO220-3-123		Weight*		2027.21 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	5.184	0.26	0.26	2557	2557
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	40.21	40.26	402196	402720
	non noble metal	aluminium	7429-90-5	6.068	0.30	0.30	2993	2993
wire	organic material	carbon black	1333-86-4	2.333	0.12		1151	
encapsulation	plastics	epoxy resin	-	67.662	3.34		33377	
	inorganic material	silicondioxide	60676-86-0	513.297	25.32	28.78	253205	287733
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10587	10587
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.281	0.01		138	
	noble metal	silver	7440-22-4	0.702	0.03		346	
	non noble metal	tin	7440-31-5	1.824	0.09	0.13	900	1384
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	29.08	29.12	290778	291156
*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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