



Material Content Data Sheet



Sales Product Name	IPP040N06N3 G			Issued		16. January 2020		
MA#	MA002428718							
Package	PG-TO220-3-123			Weight*		2028.69 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	2555	2555
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.18	40.23	401902	402425
wire	non noble metal	aluminium	7429-90-5	7.550	0.37	0.37	3722	3722
encapsulation	organic material	carbon black	1333-86-4	2.333	0.12		1150	
	plastics	epoxy resin	-	67.662	3.34		33353	
	inorganic material	silicondioxide	60676-86-0	513.297	25.30	28.76	253020	287523
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10579	10579
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
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	899	1383
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	29.06	29.10	290566	290944
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com