



Material Content Data Sheet



Sales Product Name		IPP039N04L G		Issued		31. July 2018		
MA#		MA001833454						
Package		PG-TO220-3-123		Weight*		2025.62 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	2.247	0.11	0.11	1109	1109
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	40.23	40.28	402512	403036
	non noble metal	aluminium	7429-90-5	5.573	0.28	0.28	2751	2751
wire	non noble metal	aluminium	7429-90-5	5.573	0.28	0.28	2751	2751
encapsulation	organic material	carbon black	1333-86-4	2.346	0.12		1158	
	plastics	epoxy resin	-	68.027	3.36		33583	
	inorganic material	silicondioxide	60676-86-0	516.065	25.48	28.96	254770	289511
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10595	10595
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871
solder	non noble metal	antimony	7440-36-0	0.151	0.01		74	
	noble metal	silver	7440-22-4	0.376	0.02		186	
	non noble metal	tin	7440-31-5	0.978	0.05	0.08	483	743
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	29.10	29.14	291006	291384
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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