



Material Content Data Sheet



Sales Product Name		IPP80N06S4-05		Issued		6. May 2016		
MA#		MA000471454						
Package		PG-TO220-3-1		Weight*		2040.82 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	1663	1663
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		400	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	39.97	40.02	399513	400034
wire	non noble metal	aluminium	7429-90-5	56.395	2.76	2.76	27634	27634
encapsulation	organic material	carbon black	1333-86-4	8.246	0.40		4041	
	plastics	epoxy resin	-	90.706	4.44		44446	
	inorganic material	silicondioxide	60676-86-0	450.783	22.09	26.93	220883	269370
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10517	10517
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	noble metal	silver	7440-22-4	0.074	0.00		36	
	non noble metal	tin	7440-31-5	0.059	0.00		29	
	non noble metal	lead	7439-92-1	2.822	0.14	0.14	1383	1448
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		289	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.88	28.92	288838	289214
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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