



Material Content Data Sheet



Sales Product Name		IPP80N04S4-04		Issued		25. January 2018		
MA#		MA000767208						
Package		PG-TO220-3-1		Weight*		2034.01 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	1.788	0.09	0.09	879	879
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	400849	401370
	non noble metal	aluminium	7429-90-5	6.021	0.30	0.30	2960	2960
wire	non noble metal	aluminium	7429-90-5	6.021	0.30	0.30	2960	2960
encapsulation	organic material	carbon black	1333-86-4	8.941	0.44		4396	
	plastics	epoxy resin	-	98.352	4.84		48354	
	inorganic material	silicondioxide	60676-86-0	488.777	24.03	29.31	240302	293052
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10552	10552
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	tin	7440-31-5	0.036	0.00		18	
	noble metal	silver	7440-22-4	0.045	0.00		22	
	non noble metal	lead	7439-92-1	1.718	0.08	0.08	844	884
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.98	29.02	289805	290182
*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 2015/863/EU amending Annex II to 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