



Material Content Data Sheet



Sales Product Name				IPP80P04P4L-08		Issued		26. September 2017	
MA#				MA000892270					
Package				PG-TO220-3-1		Weight*		2034.17 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	2.074	0.10	0.10	1020	1020	
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	40.09	40.14	400819	401340	
	non noble metal	aluminium	7429-90-5	5.377	0.26	0.26	2643	2643	
wire	non noble metal	aluminium	7429-90-5	5.377	0.26	0.26	2643	2643	
encapsulation	organic material	carbon black	1333-86-4	8.946	0.44		4398		
	plastics	epoxy resin	-	98.401	4.84		48374		
	inorganic material	silicondioxide	60676-86-0	489.021	24.04	29.32	240404	293176	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10551	10551	
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	0.040	0.00		20		
	noble metal	silver	7440-22-4	0.050	0.00		25		
	non noble metal	lead	7439-92-1	1.923	0.09	0.09	945	990	
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	289782	290159	
*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