



Material Content Data Sheet



Sales Product Name		SPP18P06P H		Issued		27. September 2017		
MA#		MA000669308						
Package		PG-TO220-3-1		Weight*		2030.36 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	2.472	0.12	0.12	1217	1217
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.16	40.21	401570	402094
wire	non noble metal	aluminium	7429-90-5	2.843	0.14	0.14	1400	1400
encapsulation	organic material	carbon black	1333-86-4	5.952	0.29		2931	
	plastics	epoxy resin	-	113.080	5.57		55695	
	inorganic material	silicondioxide	60676-86-0	476.128	23.45	29.31	234504	293130
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
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	non noble metal	antimony	7440-36-0	0.155	0.01		76	
	noble metal	silver	7440-22-4	0.388	0.02		191	
	non noble metal	tin	7440-31-5	1.009	0.05	0.08	497	764
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290326	290704
*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 does not use any exemption

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