



Material Content Data Sheet



Sales Product Name		SGP07N120		Issued		31. July 2018		
MA#		MA000723214						
Package		PG-TO220-3-1		Weight*		2032.60 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	7.418	0.36	0.36	3649	3649
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.11	40.16	401128	401651
	non noble metal	aluminium	7429-90-5	1.348	0.07	0.07	663	663
wire	non noble metal	aluminium	7429-90-5	1.348	0.07	0.07	663	663
encapsulation	organic material	carbon black	1333-86-4	5.919	0.29		2912	
	plastics	epoxy resin	-	112.462	5.53		55329	
	inorganic material	silicondioxide	60676-86-0	473.523	23.30	29.12	232964	291205
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10559	10559
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	antimony	7440-36-0	0.360	0.02		177	
	noble metal	silver	7440-22-4	0.899	0.04		442	
	non noble metal	tin	7440-31-5	2.338	0.12	0.18	1150	1769
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	29.00	29.04	290006	290383
*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