



## Material Content Data Sheet



<b>Sales Product Name</b>		SPP20N60C3		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001051822						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2037.76 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	12.312	0.60	0.60	6042	6042
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	400112	400634
wire	non noble metal	aluminium	7429-90-5	27.094	1.33	1.33	13296	13296
encapsulation	organic material	carbon black	1333-86-4	5.647	0.28		2771	
	plastics	epoxy resin	-	107.284	5.26		52648	
	inorganic material	silicondioxide	60676-86-0	451.724	22.17	27.71	221676	277095
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10532	10532
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	0.537	0.03		263	
	noble metal	silver	7440-22-4	1.342	0.07		658	
	non noble metal	tin	7440-31-5	3.489	0.17	0.27	1712	2633
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.93	28.97	289271	289648
*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.
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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

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