



## Material Content Data Sheet



<b>Sales Product Name</b>		SPP11N60C3		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001056102						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2033.14 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	7.017	0.35	0.35	3452	3452
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.09	40.14	401023	401546
wire	non noble metal	aluminium	7429-90-5	7.042	0.35	0.35	3463	3463
encapsulation	organic material	carbon black	1333-86-4	5.872	0.29		2888	
	plastics	epoxy resin	-	111.570	5.49		54876	
	inorganic material	silicondioxide	60676-86-0	469.769	23.11	28.89	231056	288820
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10556	10556
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	0.353	0.02		174	
	noble metal	silver	7440-22-4	0.883	0.04		434	
	non noble metal	tin	7440-31-5	2.296	0.11	0.17	1129	1737
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	28.99	29.03	289929	290306
*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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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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