



Material Content Data Sheet



Sales Product Name				SPP11N60C3		Issued		20. July 2018	
MA#				MA001056102					
Package				PG-TO220-3-1		Weight*		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.
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