



Material Content Data Sheet



Sales Product Name		SPA20N60C3		Issued		4. March 2019		
MA#		MA001368050						
Package		PG-TO220-3-313		Weight*		2205.03 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	0.56	0.56	5584	5584
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.91	40.96	409133	409666
	non noble metal	aluminium	7429-90-5	2.978	0.14	0.14	1350	1350
wire	organic material	carbon black	1333-86-4	2.323	0.11		1054	
encapsulation	plastics	epoxy resin	-	212.523	9.64		96381	
	inorganic material	silicondioxide	60676-86-0	911.603	41.33	51.08	413420	510855
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3572	3572
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.537	0.02		243	
	noble metal	silver	7440-22-4	1.342	0.06		609	
heatspreader	non noble metal	tin	7440-31-5	3.489	0.16	0.24	1582	2434
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.57	6.58	65702	65788
*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

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