



Material Content Data Sheet



Sales Product Name		SPA20N60C3		Issued		25. September 2017			
MA#		MA000976106							
Package		PG-TO220-3-253		Weight*		2136.37 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	0.58	0.58	5763	5763	
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		670		
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201		
	non noble metal	copper	7440-50-8	1428.770	66.89	66.98	668783	669654	
wire	non noble metal	aluminium	7429-90-5	30.011	1.40	1.40	14048	14048	
encapsulation	organic material	carbon black	1333-86-4	3.174	0.15		1486		
	plastics	epoxy resin	-	123.791	5.79		57944		
	inorganic material	silicondioxide	60676-86-0	507.860	23.77	29.71	237721	297151	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10046	10046	
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826	
solder	non noble metal	antimony	7440-36-0	0.537	0.03		251		
	noble metal	silver	7440-22-4	1.342	0.06		628		
	non noble metal	tin	7440-31-5	3.489	0.16	0.25	1633	2512	
*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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