



Material Content Data Sheet



Sales Product Name		SPA15N60CFD		Issued		27. September 2017		
MA#		MA001368046						
Package		PG-TO220-3-313		Weight*		2213.41 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	9.195	0.42	0.42	4154	4154
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.76	40.81	407584	408114
wire	non noble metal	aluminium	7429-90-5	3.015	0.14	0.14	1362	1362
encapsulation	organic material	carbon black	1333-86-4	2.302	0.10		1040	
	plastics	epoxy resin	-	214.364	9.68		96848	
	inorganic material	silicondioxide	60676-86-0	922.179	41.65	51.43	416632	514520
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3603	3603
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	757	757
solder	non noble metal	antimony	7440-36-0	0.432	0.02		195	
	noble metal	silver	7440-22-4	1.080	0.05		488	
	non noble metal	tin	7440-31-5	2.807	0.13	0.20	1268	1951
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.55	6.56	65453	65539
*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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