



Material Content Data Sheet



Sales Product Name		SPA17N80C3		Issued		19. January 2018			
MA#		MA001258404							
Package		PG-TO220-3-31		Weight*		2260.53 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	12.969	0.57	0.57	5737	5737	
leadframe	non noble metal	zinc	7440-66-6	0.925	0.04		409		
	non noble metal	copper	7440-50-8	615.788	27.24	27.28	272409	272818	
wire	non noble metal	aluminium	7429-90-5	3.315	0.15	0.15	1467	1467	
encapsulation	organic material	carbon black	1333-86-4	2.236	0.10		989		
	plastics	epoxy resin	-	210.189	9.30		92982		
	inorganic material	silicondioxide	60676-86-0	905.603	40.07	49.47	400615	494586	
leadfinish	non noble metal	tin	7440-31-5	6.173	0.27	0.27	2731	2731	
plating	non noble metal	nickel	7440-02-0	0.671	0.03	0.03	297	297	
solder	non noble metal	antimony	7440-36-0	0.558	0.02		247		
	noble metal	silver	7440-22-4	1.395	0.06		617		
	non noble metal	tin	7440-31-5	3.626	0.16	0.24	1604	2468	
heatspreader	non noble metal	zinc	7440-66-6	0.746	0.03		330		
	non noble metal	copper	7440-50-8	496.335	21.96	21.99	219566	219896	
*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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