



Material Content Data Sheet



Sales Product Name		SPA04N80C3		Issued		22. January 2018		
MA#		MA000452952						
Package		PG-TO220-3-31		Weight*		2258.28 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	3.894	0.17	0.17	1724	1724
leadframe	non noble metal	zinc	7440-66-6	0.925	0.04		410	
	non noble metal	copper	7440-50-8	615.788	27.27	27.31	272679	273089
wire	non noble metal	aluminium	7429-90-5	0.963	0.04	0.04	426	426
encapsulation	organic material	carbon black	1333-86-4	2.261	0.10		1001	
	plastics	epoxy resin	-	212.521	9.41		94107	
	inorganic material	silicondioxide	60676-86-0	915.648	40.55	50.06	405462	500570
leadfinish	non noble metal	tin	7440-31-5	6.173	0.27	0.27	2734	2734
plating	non noble metal	nickel	7440-02-0	0.671	0.03	0.03	297	297
solder	non noble metal	antimony	7440-36-0	0.236	0.01		105	
	noble metal	silver	7440-22-4	0.590	0.03		261	
	non noble metal	tin	7440-31-5	1.535	0.07	0.11	680	1046
heatspreader	non noble metal	zinc	7440-66-6	0.746	0.03		330	
	non noble metal	copper	7440-50-8	496.335	21.98	22.01	219784	220114
*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