



Material Content Data Sheet



Sales Product Name		SPA02N80C3		Issued		22. October 2015		
MA#		MA000697910						
Package		PG-TO220-3-121		Weight*		2246.23 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	2.280	0.10	0.10	1015	1015
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.55	30.59	305499	305897
wire	non noble metal	aluminium	7429-90-5	6.775	0.30	0.30	3016	3016
encapsulation	organic material	carbon black	1333-86-4	2.225	0.10		991	
	plastics	epoxy resin	-	208.303	9.27		92734	
	inorganic material	silicondioxide	60676-86-0	896.869	39.92	49.29	399275	493001
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3580	3580
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.165	0.01		73	
	noble metal	silver	7440-22-4	0.412	0.02		183	
	non noble metal	tin	7440-31-5	1.071	0.05	0.08	477	733
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.24	19.27	192371	192622
*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 2011/65/EU (RoHS) and does not use any exemption.

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