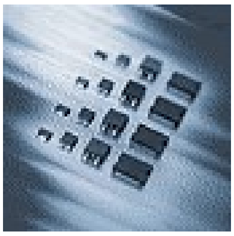

Material Content Data Sheet

RoHS

Halogen-Free

Sales Product Name	SPA20N60C3	**Issued**	2. November 2015
MA#	MA001425758		
Package	PG-TO220-3-253	**Weight***	2136.91 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	5762	5762
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		669	
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	copper	7440-50-8	1428.770	66.86	66.95	668614	669484
wire	non noble metal	aluminium	7429-90-5	3.009	0.14	0.14	1408	1408
encapsulation	organic material	carbon black	1333-86-4	3.310	0.15		1549	
	plastics	epoxy resin	-	129.105	6.04		60417	
	inorganic material	silicondioxide	60676-86-0	529.661	24.79	30.98	247863	309829
leadfinish	non noble metal	tin	7440-31-5	21.731	1.02	1.02	10169	10169
plating	non noble metal	nickel	7440-02-0	1.786	0.08	0.08	836	836
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 2011/65/EU (RoHS) and does not use any exemption.

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