



Material Content Data Sheet



Sales Product Name		SPP20N60C3		Issued		20. July 2018		
MA#		MA000976102						
Package		PG-TO220-3-123		Weight*		2033.00 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	0.61	0.61	6056	6056
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.09	40.14	401049	401571
wire	non noble metal	aluminium	7429-90-5	26.466	1.30	1.30	13018	13018
encapsulation	organic material	carbon black	1333-86-4	2.236	0.11		1100	
	plastics	epoxy resin	-	64.843	3.19		31895	
	inorganic material	silicondioxide	60676-86-0	491.916	24.20	27.50	241966	274961
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10557	10557
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.537	0.03		264	
	noble metal	silver	7440-22-4	1.344	0.07		661	
	non noble metal	tin	7440-31-5	3.493	0.17	0.27	1718	2643
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.99	29.03	289949	290326
*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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