



Material Content Data Sheet



Sales Product Name		SPP06N80C3		Issued		20. July 2018		
MA#		MA000870990						
Package		PG-TO220-3-123		Weight*		2027.56 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	4.945	0.24	0.24	2439	2439
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.23	40.28	402126	402650
wire	non noble metal	aluminium	7429-90-5	7.096	0.35	0.35	3500	3500
encapsulation	organic material	carbon black	1333-86-4	2.330	0.11		1149	
	plastics	epoxy resin	-	67.581	3.33		33331	
	inorganic material	silicondioxide	60676-86-0	512.682	25.29	28.73	252856	287336
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10718	10718
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	881	881
solder	non noble metal	antimony	7440-36-0	0.278	0.01		137	
	noble metal	silver	7440-22-4	0.696	0.03		343	
	non noble metal	tin	7440-31-5	1.809	0.09	0.13	892	1372
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.07	29.11	290726	291104
*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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