



Material Content Data Sheet



Sales Product Name		SPP04N80C3		Issued		25. September 2017		
MA#		MA000870988						
Package		PG-TO220-3-123		Weight*		2026.75 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	0.19	0.19	1921	1921
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	402288	402812
wire	non noble metal	aluminium	7429-90-5	6.988	0.34	0.34	3448	3448
encapsulation	organic material	carbon black	1333-86-4	2.335	0.12		1152	
	plastics	epoxy resin	-	67.703	3.34		33405	
	inorganic material	silicondioxide	60676-86-0	513.609	25.34	28.80	253416	287973
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10590	10590
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.236	0.01		117	
	noble metal	silver	7440-22-4	0.590	0.03		291	
	non noble metal	tin	7440-31-5	1.535	0.08	0.12	757	1165
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	29.08	29.12	290843	291221
*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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