



Material Content Data Sheet



Sales Product Name		SPA02N80C3		Issued		25. September 2017		
MA#		MA000452950						
Package		PG-TO220-3-31		Weight*		2256.67 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	1010	1010
leadframe	non noble metal	zinc	7440-66-6	0.925	0.04		410	
	non noble metal	copper	7440-50-8	615.788	27.29	27.33	272875	273285
wire	non noble metal	aluminium	7429-90-5	20.625	0.91	0.91	9139	9139
encapsulation	organic material	carbon black	1333-86-4	2.223	0.10		985	
	plastics	epoxy resin	-	208.942	9.26		92589	
	inorganic material	silicondioxide	60676-86-0	900.228	39.89	49.25	398919	492493
leadfinish	non noble metal	tin	7440-31-5	6.250	0.28	0.28	2770	2770
plating	non noble metal	nickel	7440-02-0	0.679	0.03	0.03	301	301
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	475	731
heatspreader	non noble metal	zinc	7440-66-6	0.746	0.03		330	
	non noble metal	copper	7440-50-8	496.335	21.99	22.02	219941	220271
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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