



Material Content Data Sheet



Sales Product Name		SPA17N80C3		Issued		22. January 2018		
MA#		MA001684792						
Package		PG-TO220-3-313		Weight*		2253.29 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	12.969	0.58	0.58	5756	5756
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		120	
	non noble metal	iron	7439-89-6	0.903	0.04		401	
	non noble metal	copper	7440-50-8	902.149	40.04	40.09	400370	400891
	non noble metal	aluminium	7429-90-5	2.924	0.13	0.13	1298	1298
wire	non noble metal	aluminium	7429-90-5	2.924	0.13	0.13	1298	1298
encapsulation	organic material	carbon black	1333-86-4	2.418	0.11		1073	
	plastics	epoxy resin	-	221.446	9.83		98277	
	inorganic material	silicondioxide	60676-86-0	950.036	42.16	52.10	421621	520971
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3496	3496
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	735	735
solder	non noble metal	antimony	7440-36-0	0.558	0.02		248	
	noble metal	silver	7440-22-4	1.395	0.06		619	
	non noble metal	tin	7440-31-5	3.626	0.16	0.24	1609	2476
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	iron	7439-89-6	0.145	0.01		64	
	non noble metal	copper	7440-50-8	144.874	6.43	6.44	64294	64377
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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