



Material Content Data Sheet



Sales Product Name		SPA17N80C3		Issued		25. September 2017		
MA#		MA001334382						
Package		PG-TO220-3-313		Weight*		2210.10 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	0.59	0.59	5868	5868
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		409	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	copper	7440-50-8	902.149	40.82	40.87	408194	408726
wire	non noble metal	aluminium	7429-90-5	3.372	0.15	0.15	1526	1526
encapsulation	organic material	carbon black	1333-86-4	2.335	0.11		1056	
	plastics	epoxy resin	-	213.260	9.65		96493	
	inorganic material	silicondioxide	60676-86-0	914.545	41.37	51.13	413802	511351
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3609	3609
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.558	0.03		252	
	noble metal	silver	7440-22-4	1.395	0.06		631	
	non noble metal	tin	7440-31-5	3.626	0.16	0.25	1641	2524
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65551	65637
*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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