



Material Content Data Sheet



Sales Product Name		SPA08N80C3		Issued		20. July 2018		
MA#		MA001584820						
Package		PG-TO220-3-313		Weight*		2205.87 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	6.828	0.31	0.31	3095	3095
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.90	40.95	408975	409508
	non noble metal	aluminium	7429-90-5	2.944	0.13	0.13	1334	1334
wire	non noble metal	aluminium	7429-90-5	2.944	0.13	0.13	1334	1334
encapsulation	organic material	carbon black	1333-86-4	2.317	0.11		1051	
	plastics	epoxy resin	-	213.832	9.69		96937	
	inorganic material	silicondioxide	60676-86-0	918.529	41.63	51.43	416403	514391
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3571	3571
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.350	0.02		159	
	noble metal	silver	7440-22-4	0.875	0.04		397	
	non noble metal	tin	7440-31-5	2.276	0.10	0.16	1032	1588
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.57	6.58	65676	65762
*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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