

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA06N60C3	**Issued**	30. March 2021
MA#	MA001333456		
Package	PG-TO220-3-313	**Weight***	2207.32 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	4.096	0.19	0.19	1855	1855
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.87	40.92	408707	409239
wire	non noble metal	aluminium	7429-90-5	0.810	0.04	0.04	367	367
encapsulation	organic material	carbon black	1333-86-4	2.311	0.10		1047	
	plastics	epoxy resin	-	214.995	9.74		97401	
	inorganic material	silicondioxide	60676-86-0	924.741	41.89	51.73	418944	517392
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3569	3569
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.245	0.01		111	
	noble metal	silver	7440-22-4	0.612	0.03		277	
	non noble metal	tin	7440-31-5	1.591	0.07	0.11	721	1109
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65633	65719
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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