

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPA17N80C3	**Issued**	02. June 2021
MA#	MA001334382		
Package	PG-TO220-3-313	**Weight***	2205.88 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	5879	5879
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	408974	409507
wire	non noble metal	aluminium	7429-90-5	3.639	0.16	0.16	1649	1649
encapsulation	organic material	carbon black	1333-86-4	2.322	0.11		1053	
	plastics	epoxy resin	-	212.399	9.63		96287	
	inorganic material	silicondioxide	60676-86-0	911.054	41.29	51.03	413012	510352
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	0.558	0.03		253	
	noble metal	silver	7440-22-4	1.395	0.06		632	
	non noble metal	tin	7440-31-5	3.626	0.16	0.25	1644	2529
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	6.57	6.58	65676	65762
*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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