



Material Content Data Sheet



Halogen-Free

Sales Product Name SPW16N50C3

Issued

09. February 2022

MA# MA005618159

Package PG-TO247-3-41

Weight*

6049.66 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	8.240	0.14	0.14	1362	1362
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87454	87568
wire	non noble metal	aluminium	7429-90-5	5.466	0.09	0.09	904	904
encapsulation	organic material	carbon black	1333-86-4	19.988	0.33		3304	
	plastics	epoxy resin	-	379.770	6.28		62775	
	inorganic material	silicondioxide	60676-86-0	1,599.030	26.43	33.04	264317	330396
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.399	0.01		66	
	noble metal	silver	7440-22-4	0.996	0.02		165	
	non noble metal	tin	7440-31-5	2.591	0.04	0.07	428	659
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.81	56.89	568298	569038
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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