



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPW47N60C3	<b>Issued</b>	14. February 2022
<b>MA#</b>	MA005619231		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6060.46 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	30.768	0.51	0.51	5077	5077
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87299	87412
wire	non noble metal	aluminium	7429-90-5	10.530	0.17	0.17	1737	1737
encapsulation	organic material	carbon black	1333-86-4	19.749	0.33		3259	
	plastics	epoxy resin	-	375.225	6.19		61914	
	inorganic material	silicondioxide	60676-86-0	1,579.895	26.07	32.59	260690	325863
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5259	5259
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4796	4796
solder	non noble metal	antimony	7440-36-0	1.111	0.02		183	
	noble metal	silver	7440-22-4	2.778	0.05		458	
	non noble metal	tin	7440-31-5	7.222	0.12	0.19	1192	1833
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.71	56.79	567285	568023
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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