



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPP04N80C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005563221		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1923.27 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	3.894	0.20	0.20	2024	2024
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.54	75.64	755363	756346
wire	non noble metal	aluminium	7429-90-5	0.878	0.05	0.05	456	456
encapsulation	organic material	carbon black	1333-86-4	2.270	0.12		1180	
	inorganic material	zinc borate	-	43.124	2.24		22422	
	plastics	epoxy resin	-	90.788	4.72		47205	
	inorganic material	silicondioxide	60676-86-0	317.758	16.52	23.60	165218	236025
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3921	3921
solder	non noble metal	antimony	7440-36-0	0.236	0.01		123	
	noble metal	silver	7440-22-4	0.590	0.03		307	
	non noble metal	tin	7440-31-5	1.535	0.08	0.12	798	1228
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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