



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPP08N80C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005565682		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1925.36 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	6.828	0.35	0.35	3546	3546
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	75.44	75.54	754541	755524
wire	non noble metal	aluminium	7429-90-5	3.190	0.17	0.17	1657	1657
encapsulation	organic material	carbon black	1333-86-4	2.248	0.12		1168	
	inorganic material	zinc borate	-	42.716	2.22		22186	
	plastics	epoxy resin	-	89.929	4.67		46707	
	inorganic material	silicondioxide	60676-86-0	314.750	16.35	23.36	163476	233537
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3917	3917
solder	non noble metal	antimony	7440-36-0	0.350	0.02		182	
	noble metal	silver	7440-22-4	0.875	0.05		455	
	non noble metal	tin	7440-31-5	2.276	0.12	0.19	1182	1819
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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