



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPP11N80C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005562907		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1926.51 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	9.366	0.49	0.49	4862	4862
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.40	75.50	754092	755074
wire	non noble metal	aluminium	7429-90-5	3.149	0.16	0.16	1634	1634
encapsulation	organic material	carbon black	1333-86-4	2.237	0.12		1161	
	inorganic material	zinc borate	-	42.501	2.21		22061	
	plastics	epoxy resin	-	89.476	4.64		46445	
	inorganic material	silicondioxide	60676-86-0	313.165	16.26	23.23	162556	232223
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3915	3915
solder	non noble metal	antimony	7440-36-0	0.442	0.02		229	
	noble metal	silver	7440-22-4	1.104	0.06		573	
	non noble metal	tin	7440-31-5	2.870	0.15	0.23	1490	2292
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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