



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPP07N60C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005562661		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1923.76 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	4.883	0.25	0.25	2538	2538
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	75.52	75.62	755171	756154
wire	non noble metal	aluminium	7429-90-5	0.877	0.05	0.05	456	456
encapsulation	organic material	carbon black	1333-86-4	2.265	0.12		1177	
	inorganic material	zinc borate	-	43.038	2.24		22372	
	plastics	epoxy resin	-	90.607	4.71		47099	
	inorganic material	silicondioxide	60676-86-0	317.126	16.48	23.55	164847	235495
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3920	3920
solder	non noble metal	antimony	7440-36-0	0.276	0.01		144	
	noble metal	silver	7440-22-4	0.691	0.04		359	
	non noble metal	tin	7440-31-5	1.796	0.09	0.14	934	1437
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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