



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPA15N60C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005558751		
<b>Package</b>	PG-TO220-3-317	<b>Weight*</b>	2104.86 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	9.195	0.44	0.44	4368	4368
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.05	57.13	570435	571177
wire	non noble metal	aluminium	7429-90-5	3.751	0.18	0.18	1782	1782
encapsulation	organic material	carbon black	1333-86-4	8.686	0.41		4127	
	plastics	epoxy resin	-	141.460	6.72		67206	
	inorganic material	silicondioxide	60676-86-0	727.312	34.55	41.68	345540	416873
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.432	0.02		205	
	noble metal	silver	7440-22-4	1.080	0.05		513	
	non noble metal	tin	7440-31-5	2.807	0.13	0.20	1334	2052
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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