



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPP11N80C3	<b>Issued</b>	11. May 2021
<b>MA#</b>	MA001632406		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2029.38 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	0.46	0.46	4615	4615
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.18	40.23	401765	402288
wire	non noble metal	aluminium	7429-90-5	3.165	0.16	0.16	1560	1560
encapsulation	organic material	carbon black	1333-86-4	2.330	0.11		1148	
	plastics	epoxy resin	-	67.579	3.33		33300	
	inorganic material	silicondioxide	60676-86-0	512.666	25.26	28.70	252621	287069
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10576	10576
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.442	0.02		218	
	noble metal	silver	7440-22-4	1.105	0.05		545	
	non noble metal	tin	7440-31-5	2.874	0.14	0.21	1416	2179
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.05	29.09	290466	290844
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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