



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPP20N60C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005562421		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1927.80 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	12.312	0.64	0.64	6387	6387
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		226	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.35	75.45	753587	754568
wire	non noble metal	aluminium	7429-90-5	3.248	0.17	0.17	1685	1685
encapsulation	organic material	carbon black	1333-86-4	2.223	0.12		1153	
	inorganic material	zinc borate	-	42.244	2.19		21913	
	plastics	epoxy resin	-	88.935	4.61		46133	
	inorganic material	silicondioxide	60676-86-0	311.273	16.15	23.07	161465	230664
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3912	3912
solder	non noble metal	antimony	7440-36-0	0.537	0.03		278	
	noble metal	silver	7440-22-4	1.342	0.07		696	
	non noble metal	tin	7440-31-5	3.489	0.18	0.28	1810	2784
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com