



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SPW20N60S5	<b>Issued</b>	09. February 2022
<b>MA#</b>	MA005617918		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6051.39 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	12.785	0.21	0.21	2113	2113
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87429	87543
wire	non noble metal	aluminium	7429-90-5	4.702	0.08	0.08	777	777
encapsulation	organic material	carbon black	1333-86-4	19.952	0.33		3297	
	plastics	epoxy resin	-	379.090	6.26		62645	
	inorganic material	silicondioxide	60676-86-0	1,596.166	26.38	32.97	263768	329710
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.552	0.01		91	
	noble metal	silver	7440-22-4	1.380	0.02		228	
	non noble metal	tin	7440-31-5	3.588	0.06	0.09	593	912
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.81	56.89	568135	568875
*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