



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAN60R180P7S	<b>Issued</b>	26. June 2021
<b>MA#</b>	MA005579556		
<b>Package</b>	PG-TO220-3-319	<b>Weight*</b>	2202.52 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	4.174	0.19	0.19	1895	1895
leadframe	inorganic material	phosphorus	7723-14-0	0.345	0.02		156	
	non noble metal	iron	7439-89-6	1.149	0.05		522	
	non noble metal	copper	7440-50-8	1,147.227	52.09	52.16	520871	521549
wire	non noble metal	aluminium	7429-90-5	3.770	0.17	0.17	1712	1712
encapsulation	organic material	carbon black	1333-86-4	10.309	0.47		4681	
	plastics	epoxy resin	-	166.426	7.56		75562	
	inorganic material	silicondioxide	60676-86-0	859.476	39.02	47.05	390224	470467
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3245	3245
solder	non noble metal	antimony	7440-36-0	0.249	0.01		113	
	noble metal	silver	7440-22-4	0.623	0.03		283	
	non noble metal	tin	7440-31-5	1.621	0.07	0.11	736	1132
*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