



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAN60R210PFD7S	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005557772		
<b>Package</b>	PG-TO220-3-319	<b>Weight*</b>	2203.15 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	3.709	0.17	0.17	1684	1684
leadframe	inorganic material	phosphorus	7723-14-0	0.345	0.02		156	
	non noble metal	iron	7439-89-6	1.149	0.05		521	
	non noble metal	copper	7440-50-8	1,147.227	52.07	52.14	520722	521399
wire	non noble metal	aluminium	7429-90-5	3.735	0.17	0.17	1695	1695
encapsulation	organic material	carbon black	1333-86-4	10.340	0.47		4693	
	plastics	epoxy resin	-	166.434	7.55		75544	
	inorganic material	silicondioxide	60676-86-0	860.785	39.07	47.09	390707	470944
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3244	3244
solder	non noble metal	antimony	7440-36-0	0.228	0.01		103	
	noble metal	silver	7440-22-4	0.570	0.03		259	
	non noble metal	tin	7440-31-5	1.481	0.07	0.11	672	1034
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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