



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAN80R280P7	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005558460		
<b>Package</b>	PG-TO220-3-320	<b>Weight*</b>	2202.31 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	5.042	0.23	0.23	2289	2289
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	52.10	52.17	520919	521597
wire	non noble metal	aluminium	7429-90-5	0.974	0.04	0.04	442	442
encapsulation	organic material	carbon black	1333-86-4	10.324	0.47		4688	
	plastics	epoxy resin	-	166.640	7.57		75666	
	inorganic material	silicondioxide	60676-86-0	860.650	39.08	47.12	390793	471147
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3246	3246
solder	non noble metal	antimony	7440-36-0	0.282	0.01		128	
	noble metal	silver	7440-22-4	0.704	0.03		320	
	non noble metal	tin	7440-31-5	1.830	0.08	0.12	831	1279
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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