



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA600N25NM3S	<b>Issued</b>	13. May 2021
<b>MA#</b>	MA002224346		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2056.24 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	6.322	0.31	0.31	3075	3075
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		461	
	non noble metal	copper	7440-50-8	947.445	46.07	46.13	460766	461365
wire	non noble metal	aluminium	7429-90-5	8.710	0.42	0.42	4236	4236
encapsulation	organic material	carbon black	1333-86-4	10.713	0.52		5210	
	plastics	epoxy resin	-	173.271	8.43		84266	
	inorganic material	silicondioxide	60676-86-0	893.956	43.48	52.43	434753	524229
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5396	5396
solder	non noble metal	antimony	7440-36-0	0.349	0.02		170	
	noble metal	silver	7440-22-4	0.873	0.04		425	
	non noble metal	tin	7440-31-5	2.270	0.11	0.17	1104	1699
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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