



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP600N25N3 G	<b>Issued</b>	17. February 2022
<b>MA#</b>	MA005698393		
<b>Package</b>	PG-TO220-3-1	<b>Weight*</b>	2034.49 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	3107	3107
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.10	40.15	400755	401276
wire	non noble metal	aluminium	7429-90-5	8.028	0.39	0.39	3946	3946
encapsulation	organic material	carbon black	1333-86-4	5.883	0.29		2892	
	plastics	epoxy resin	-	111.780	5.49		54942	
	inorganic material	silicondioxide	60676-86-0	470.653	23.13	28.91	231337	289171
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10549	10549
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.349	0.02		172	
	noble metal	silver	7440-22-4	0.873	0.04		429	
	non noble metal	tin	7440-31-5	2.270	0.11	0.17	1116	1717
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.97	29.01	289736	290113
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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