



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP126N10N3 G	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA000840922		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2027.63 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	3.094	0.15	0.15	1526	1526
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.20	40.25	402112	402636
wire	non noble metal	aluminium	7429-90-5	7.185	0.35	0.35	3543	3543
encapsulation	organic material	carbon black	1333-86-4	2.342	0.12		1155	
	plastics	epoxy resin	-	67.911	3.35		33493	
	inorganic material	silicondioxide	60676-86-0	515.183	25.41	28.88	254081	288729
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10585	10585
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.206	0.01		102	
	noble metal	silver	7440-22-4	0.515	0.03		254	
	non noble metal	tin	7440-31-5	1.340	0.07	0.11	661	1017
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.07	29.11	290716	291094
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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