



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP040N06N3 G	<b>Issued</b>	14. April 2021
<b>MA#</b>	MA005403433		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2037.96 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	5.184	0.25	0.25	2544	2544
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	40.01	40.06	400075	400596
wire	non noble metal	aluminium	7429-90-5	7.777	0.38	0.38	3816	3816
encapsulation	organic material	carbon black	1333-86-4	2.962	0.15		1453	
	miscellaneous	miscellaneous	-	2.962	0.15		1453	
	organic material	phenol formaldehyde resin	9003-35-4	35.540	1.74		17439	
	inorganic material	silicondioxide	14808-60-7	47.387	2.33		23252	
	non noble metal	metal hydroxide	-	47.387	2.33		23252	
	plastics	epoxy resin	29690-82-2	71.081	3.49		34878	
	inorganic material	silicondioxide	60676-86-0	385.021	18.89	29.08	188925	290652
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10531	10531
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.280	0.01		138	
	noble metal	silver	7440-22-4	0.701	0.03		344	
	non noble metal	tin	7440-31-5	1.822	0.09	0.13	894	1376
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	28.92	28.96	289243	289620
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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