

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP200N25N3 G	**Issued**	16. May 2021
MA#	MA005404087		
Package	PG-TO220-3-123	**Weight***	2045.26 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	17.562	0.86	0.86	8587	8587
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		399	
	non noble metal	copper	7440-50-8	815.335	39.86	39.91	398647	399166
wire	non noble metal	aluminium	7429-90-5	14.319	0.70	0.70	7001	7001
encapsulation	organic material	carbon black	1333-86-4	2.882	0.14		1409	
	miscellaneous	miscellaneous	-	2.882	0.14		1409	
	organic material	phenol formaldehyde resin	9003-35-4	34.579	1.69		16907	
	inorganic material	silicondioxide	14808-60-7	46.106	2.25		22543	
	non noble metal	metal hydroxide	-	46.106	2.25		22543	
	plastics	epoxy resin	29690-82-2	69.159	3.38		33814	
	inorganic material	silicondioxide	60676-86-0	374.610	18.32	28.17	183160	281785
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10494	10494
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	862	862
solder	non noble metal	antimony	7440-36-0	0.719	0.04		352	
	noble metal	silver	7440-22-4	1.799	0.09		879	
	non noble metal	tin	7440-31-5	4.676	0.23	0.36	2287	3518
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.82	28.86	288211	288587
*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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