



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP030N10N3 G	Issued	14. February 2022
MA#	MA005622703		
Package	PG-TO220-3-123	Weight*	2043.98 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	15.455	0.76	0.76	7561	7561
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	39.88	39.93	398896	399415
wire	non noble metal	aluminium	7429-90-5	13.155	0.64	0.64	6436	6436
encapsulation	organic material	carbon black	1333-86-4	2.895	0.14		1417	
	miscellaneous	miscellaneous	-	2.895	0.14		1417	
	organic material	phenol formaldehyde resin	9003-35-4	34.746	1.70		16999	
	inorganic material	silicondioxide	14808-60-7	46.328	2.27		22665	
	non noble metal	metal hydroxide	-	46.328	2.27		22665	
	plastics	epoxy resin	29690-82-2	69.491	3.40		33998	
	inorganic material	silicondioxide	60676-86-0	376.411	18.42	28.34	184156	283317
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10500	10500
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	863	863
solder	non noble metal	antimony	7440-36-0	0.642	0.03		314	
	noble metal	silver	7440-22-4	1.604	0.08		785	
	non noble metal	tin	7440-31-5	4.171	0.20	0.31	2041	3140
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	28.84	28.88	288392	288768
*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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