



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP030N10N3 G	Issued	15. April 2021
MA#	MA005403363		
Package	PG-TO220-3-123	Weight*	2044.04 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	398884	399403
wire	non noble metal	aluminium	7429-90-5	13.385	0.65	0.65	6548	6548
encapsulation	organic material	carbon black	1333-86-4	2.895	0.14		1416	
	miscellaneous	miscellaneous	-	2.895	0.14		1416	
	organic material	phenol formaldehyde resin	9003-35-4	34.736	1.70		16994	
	inorganic material	silicondioxide	14808-60-7	46.314	2.27		22658	
	non noble metal	metal hydroxide	-	46.314	2.27		22658	
	plastics	epoxy resin	29690-82-2	69.472	3.40		33987	
	inorganic material	silicondioxide	60676-86-0	376.304	18.41	28.33	184098	283227
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	288382	288758
*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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