



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP075N15N3 G	Issued	03. June 2021
MA#	MA005404518		
Package	PG-TO220-3-123	Weight*	2044.23 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	8591	8591
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	39.85	39.90	398846	399365
wire	non noble metal	aluminium	7429-90-5	10.733	0.53	0.53	5251	5251
encapsulation	organic material	carbon black	1333-86-4	2.894	0.14		1416	
	miscellaneous	miscellaneous	-	2.894	0.14		1416	
	organic material	phenol formaldehyde resin	9003-35-4	34.733	1.70		16991	
	inorganic material	silicondioxide	14808-60-7	46.311	2.27		22654	
	non noble metal	metal hydroxide	-	46.311	2.27		22654	
	plastics	epoxy resin	29690-82-2	69.466	3.40		33982	
	inorganic material	silicondioxide	60676-86-0	376.277	18.41	28.33	184067	283180
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10499	10499
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	863	863
solder	non noble metal	antimony	7440-36-0	0.719	0.04		352	
	noble metal	silver	7440-22-4	1.799	0.09		880	
	non noble metal	tin	7440-31-5	4.676	0.23	0.36	2288	3520
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	288355	288731
*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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