

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI180N10N3 G	**Issued**	14. April 2021
MA#	MA005403193		
Package	PG-TO262-3-22	**Weight***	1572.90 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	2.307	0.15	0.15	1467	1467
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		541	
	non noble metal	copper	7440-50-8	849.682	54.00	54.07	540202	540905
wire	non noble metal	aluminium	7429-90-5	4.048	0.26	0.26	2574	2574
encapsulation	organic material	carbon black	1333-86-4	2.954	0.19		1878	
	miscellaneous	miscellaneous	-	2.954	0.19		1878	
	organic material	phenol formaldehyde resin	9003-35-4	35.453	2.25		22540	
	inorganic material	silicondioxide	14808-60-7	47.271	3.01		30053	
	non noble metal	metal hydroxide	-	47.271	3.01		30053	
	plastics	epoxy resin	29690-82-2	70.906	4.51		45080	
	inorganic material	silicondioxide	60676-86-0	384.077	24.42	37.58	244184	375666
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9662	9662
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1050	1050
solder	non noble metal	antimony	7440-36-0	0.167	0.01		106	
	noble metal	silver	7440-22-4	0.418	0.03		266	
	non noble metal	tin	7440-31-5	1.088	0.07	0.11	691	1063
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.75	6.76	67525	67613
*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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