

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI180N10N3 G	**Issued**	16. January 2020
MA#	MA000801572		
Package	PG-TO262-3-1	**Weight***	1568.71 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	1470	1470
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		542	
	non noble metal	copper	7440-50-8	849.682	54.17	54.24	541644	542349
wire	non noble metal	aluminium	7429-90-5	3.989	0.25	0.25	2543	2543
encapsulation	organic material	carbon black	1333-86-4	5.882	0.37		3749	
	plastics	epoxy resin	-	111.754	7.12		71239	
	inorganic material	silicondioxide	60676-86-0	470.542	30.00	37.49	299955	374943
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9688	9688
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147
solder	non noble metal	antimony	7440-36-0	0.167	0.01		107	
	noble metal	silver	7440-22-4	0.418	0.03		267	
	non noble metal	tin	7440-31-5	1.088	0.07	0.11	693	1067
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.77	6.78	67705	67793
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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