



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPI180N10N3 G	Issued	17. February 2022
MA#	MA005698364		
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			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			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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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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