



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPI045N10N3 G	Issued	17. February 2022
MA#	MA005698624		
Package	PG-TO262-3-1	Weight*	1574.11 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	8.861	0.56	0.56	5629	5629
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		540	
	non noble metal	copper	7440-50-8	849.682	53.97	54.04	539787	540489
wire	non noble metal	aluminium	7429-90-5	11.836	0.75	0.75	7519	7519
encapsulation	organic material	carbon black	1333-86-4	5.766	0.37		3663	
	plastics	epoxy resin	-	109.545	6.96		69592	
	inorganic material	silicondioxide	60676-86-0	461.241	29.30	36.63	293018	366273
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9655	9655
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	145	146
solder	non noble metal	antimony	7440-36-0	0.429	0.03		273	
	noble metal	silver	7440-22-4	1.074	0.07		682	
	non noble metal	tin	7440-31-5	2.791	0.18	0.28	1773	2728
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	67473	67561
*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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