

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI086N10N3 G	**Issued**	16. May 2021
MA#	MA005403191		
Package	PG-TO262-3-22	**Weight***	1575.19 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	4.609	0.29	0.29	2926	2926
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	53.95	54.02	539414	540116
wire	non noble metal	aluminium	7429-90-5	8.095	0.51	0.51	5139	5139
encapsulation	organic material	carbon black	1333-86-4	2.929	0.19		1860	
	miscellaneous	miscellaneous	-	2.929	0.19		1860	
	organic material	phenol formaldehyde resin	9003-35-4	35.151	2.23		22315	
	inorganic material	silicondioxide	14808-60-7	46.867	2.98		29754	
	non noble metal	metal hydroxide	-	46.867	2.98		29754	
	plastics	epoxy resin	29690-82-2	70.301	4.46		44630	
	inorganic material	silicondioxide	60676-86-0	380.798	24.17	37.20	241747	371920
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9648	9648
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1048	1048
solder	non noble metal	antimony	7440-36-0	0.266	0.02		169	
	noble metal	silver	7440-22-4	0.665	0.04		422	
	non noble metal	tin	7440-31-5	1.728	0.11	0.17	1097	1688
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	6.74	6.75	67427	67515
*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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