



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPA086N10N3 G

**Issued**

09. February 2022

**MA#** MA005617950

**Package** PG-TO220-3-253

**Weight\***

2135.78 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	0.22	0.22	2158	2158
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.90	66.99	668968	669839
wire	non noble metal	aluminium	7429-90-5	8.175	0.38	0.38	3828	3828
encapsulation	organic material	carbon black	1333-86-4	3.332	0.16		1560	
	plastics	epoxy resin	-	129.964	6.09		60851	
	inorganic material	silicondioxide	60676-86-0	533.187	24.96	31.21	249645	312056
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10049	10049
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.266	0.01		124	
	noble metal	silver	7440-22-4	0.665	0.03		311	
	non noble metal	tin	7440-31-5	1.728	0.08	0.12	809	1244
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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