



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA050N10NM5S	<b>Issued</b>	14. February 2022
<b>MA#</b>	MA005635835		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2056.55 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	2.258	0.11	0.11	1098	1098
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		461	
	non noble metal	copper	7440-50-8	947.445	46.06	46.12	460697	461296
wire	non noble metal	aluminium	7429-90-5	8.830	0.43	0.43	4293	4293
encapsulation	organic material	carbon black	1333-86-4	10.816	0.53		5259	
	plastics	epoxy resin	-	173.774	8.45		84498	
	inorganic material	silicondioxide	60676-86-0	899.560	43.74	52.72	437412	527169
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5395	5395
solder	non noble metal	antimony	7440-36-0	0.154	0.01		75	
	noble metal	silver	7440-22-4	0.386	0.02		187	
	non noble metal	tin	7440-31-5	1.003	0.05	0.08	487	749
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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