



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA052N08NM5S	<b>Issued</b>	13. May 2021
<b>MA#</b>	MA002224334		
<b>Package</b>	PG-TO220-3-312	<b>Weight*</b>	2050.13 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	1.810	0.09	0.09	883	883
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		139	
	non noble metal	iron	7439-89-6	0.949	0.05		463	
	non noble metal	copper	7440-50-8	947.445	46.21	46.27	462139	462741
wire	non noble metal	aluminium	7429-90-5	35.045	1.71	1.71	17094	17094
encapsulation	organic material	carbon black	1333-86-4	10.607	0.52		5174	
	plastics	epoxy resin	-	170.441	8.31		83137	
	inorganic material	silicondioxide	60676-86-0	882.264	43.03	51.86	430345	518656
solder	non noble metal	antimony	7440-36-0	0.128	0.01		63	
	noble metal	silver	7440-22-4	0.321	0.02		156	
	non noble metal	tin	7440-31-5	0.834	0.04	0.07	407	626
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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