



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP90R340C3	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005565371		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1928.22 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	13.276	0.69	0.69	6885	6885
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		226	
	non noble metal	iron	7439-89-6	1.455	0.08		754	
	non noble metal	copper	7440-50-8	1,452.764	75.34	75.44	753424	754404
wire	non noble metal	aluminium	7429-90-5	3.253	0.17	0.17	1687	1687
encapsulation	organic material	carbon black	1333-86-4	2.219	0.12		1151	
	inorganic material	zinc borate	-	42.162	2.19		21866	
	plastics	epoxy resin	-	88.762	4.60		46033	
	inorganic material	silicondioxide	60676-86-0	310.666	16.11	23.02	161116	230166
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3911	3911
solder	non noble metal	antimony	7440-36-0	0.568	0.03		295	
	noble metal	silver	7440-22-4	1.420	0.07		737	
	non noble metal	tin	7440-31-5	3.693	0.19	0.29	1915	2947
*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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