



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP65R110CFD	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005565633		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1929.22 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	15.501	0.80	0.80	8035	8035
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	75.31	75.41	753033	754013
wire	non noble metal	aluminium	7429-90-5	3.220	0.17	0.17	1669	1669
encapsulation	organic material	carbon black	1333-86-4	2.209	0.11		1145	
	inorganic material	zinc borate	-	41.973	2.18		21757	
	plastics	epoxy resin	-	88.365	4.58		45803	
	inorganic material	silicondioxide	60676-86-0	309.277	16.03	22.90	160312	229017
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3909	3909
solder	non noble metal	antimony	7440-36-0	0.648	0.03		336	
	noble metal	silver	7440-22-4	1.619	0.08		839	
	non noble metal	tin	7440-31-5	4.210	0.22	0.33	2182	3357
*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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