



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP60R165CP	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005565917		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1926.97 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	10.313	0.54	0.54	5352	5352
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		226	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.39	75.49	753912	754893
wire	non noble metal	aluminium	7429-90-5	3.290	0.17	0.17	1708	1708
encapsulation	organic material	carbon black	1333-86-4	2.232	0.12		1158	
	inorganic material	zinc borate	-	42.411	2.20		22009	
	plastics	epoxy resin	-	89.286	4.63		46335	
	inorganic material	silicondioxide	60676-86-0	312.500	16.22	23.17	162172	231674
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3914	3914
solder	non noble metal	antimony	7440-36-0	0.474	0.02		246	
	noble metal	silver	7440-22-4	1.185	0.06		615	
	non noble metal	tin	7440-31-5	3.080	0.16	0.24	1598	2459
*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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