



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP65R090CFD7	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005565600		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1926.04 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	8.278	0.43	0.43	4298	4298
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.43	75.53	754275	755257
wire	non noble metal	aluminium	7429-90-5	3.281	0.17	0.17	1704	1704
encapsulation	organic material	carbon black	1333-86-4	2.241	0.12		1164	
	inorganic material	zinc borate	-	42.586	2.21		22111	
	plastics	epoxy resin	-	89.654	4.65		46549	
	inorganic material	silicondioxide	60676-86-0	313.790	16.29	23.27	162920	232744
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3916	3916
solder	non noble metal	antimony	7440-36-0	0.401	0.02		208	
	noble metal	silver	7440-22-4	1.002	0.05		520	
	non noble metal	tin	7440-31-5	2.606	0.14	0.21	1353	2081
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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