



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP65R150CFD	<b>Issued</b>	06. April 2021
<b>MA#</b>	MA003210540		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2030.34 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	11.566	0.57	0.57	5696	5696
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401575	402098
wire	non noble metal	aluminium	7429-90-5	3.080	0.15	0.15	1517	1517
encapsulation	organic material	carbon black	1333-86-4	2.323	0.11		1144	
	plastics	epoxy resin	-	67.356	3.32		33174	
	inorganic material	silicondioxide	60676-86-0	510.974	25.17	28.60	251668	285986
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.519	0.03		256	
	noble metal	silver	7440-22-4	1.298	0.06		639	
	non noble metal	tin	7440-31-5	3.374	0.17	0.26	1662	2557
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290328	290706
*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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