



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP65R095C7	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005405688		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2037.90 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	7.800	0.38	0.38	3827	3827
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	39.99	40.04	400087	400608
wire	non noble metal	aluminium	7429-90-5	3.212	0.16	0.16	1576	1576
encapsulation	organic material	carbon black	1333-86-4	2.966	0.15		1455	
	miscellaneous	miscellaneous	-	2.966	0.15		1455	
	organic material	phenol formaldehyde resin	9003-35-4	35.591	1.75		17464	
	inorganic material	silicondioxide	14808-60-7	47.454	2.33		23286	
	non noble metal	metal hydroxide	-	47.454	2.33		23286	
	plastics	epoxy resin	29690-82-2	71.181	3.49		34929	
	inorganic material	silicondioxide	60676-86-0	385.565	18.92	29.12	189197	291072
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10532	10532
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.385	0.02		189	
	noble metal	silver	7440-22-4	0.963	0.05		473	
	non noble metal	tin	7440-31-5	2.505	0.12	0.19	1229	1891
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.93	28.97	289252	289629
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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