



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP65R225C7	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005406211		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2035.96 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	3.621	0.18	0.18	1778	1778
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	40.04	40.09	400468	400989
wire	non noble metal	aluminium	7429-90-5	3.152	0.15	0.15	1548	1548
encapsulation	organic material	carbon black	1333-86-4	2.985	0.15		1466	
	miscellaneous	miscellaneous	-	2.985	0.15		1466	
	organic material	phenol formaldehyde resin	9003-35-4	35.825	1.76		17596	
	inorganic material	silicondioxide	14808-60-7	47.766	2.35		23461	
	non noble metal	metal hydroxide	-	47.766	2.35		23461	
	plastics	epoxy resin	29690-82-2	71.649	3.52		35192	
	inorganic material	silicondioxide	60676-86-0	388.100	19.06	29.34	190623	293265
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10542	10542
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	866	866
solder	non noble metal	antimony	7440-36-0	0.226	0.01		111	
	noble metal	silver	7440-22-4	0.564	0.03		277	
	non noble metal	tin	7440-31-5	1.466	0.07	0.11	720	1108
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	28.95	28.99	289527	289904
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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