



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP65R125C7	<b>Issued</b>	04. May 2021
<b>MA#</b>	MA001085908		
<b>Package</b>	PG-TO220-3-1	<b>Weight*</b>	2032.89 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	6.035	0.30	0.30	2969	2969
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.10	40.15	401072	401594
wire	non noble metal	aluminium	7429-90-5	3.370	0.17	0.17	1658	1658
encapsulation	organic material	carbon black	1333-86-4	5.919	0.29		2912	
	plastics	epoxy resin	-	112.468	5.53		55324	
	inorganic material	silicondioxide	60676-86-0	473.547	23.29	29.11	232943	291179
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10558	10558
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.321	0.02		158	
	noble metal	silver	7440-22-4	0.802	0.04		395	
	non noble metal	tin	7440-31-5	2.086	0.10	0.16	1026	1579
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	29.00	29.04	289965	290342
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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