



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP65R095C7		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA002245840					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2033.04 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	7.800	0.38	0.38	3836	3836	
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	40.11	40.16	401041	401563	
	non noble metal	aluminium	7429-90-5	2.899	0.14	0.14	1426	1426	
wire	non noble metal	aluminium	7429-90-5	2.899	0.14	0.14	1426	1426	
encapsulation	organic material	carbon black	1333-86-4	5.902	0.29		2903		
	plastics	epoxy resin	-	112.129	5.52		55153		
	inorganic material	silicondioxide	60676-86-0	472.122	23.22	29.03	232225	290281	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10557	10557	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121	
solder	non noble metal	antimony	7440-36-0	0.385	0.02		190		
	noble metal	silver	7440-22-4	0.963	0.05		474		
	non noble metal	tin	7440-31-5	2.505	0.12	0.19	1232	1896	
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	28.99	29.03	289943	290320	
*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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