



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP65R065C7		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA002245752					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2034.76 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	10.944	0.54	0.54	5379	5379	
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	40.08	40.13	400702	401223	
	non noble metal	aluminium	7429-90-5	5.645	0.28	0.28	2774	2774	
wire	non noble metal	aluminium	7429-90-5	5.645	0.28	0.28	2774	2774	
encapsulation	organic material	carbon black	1333-86-4	5.849	0.29		2874		
	plastics	epoxy resin	-	111.122	5.46		54612		
	inorganic material	silicondioxide	60676-86-0	467.884	22.99	28.74	229945	287431	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10548	10548	
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	0.498	0.02		245		
	noble metal	silver	7440-22-4	1.246	0.06		612		
	non noble metal	tin	7440-31-5	3.239	0.16	0.24	1592	2449	
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	28.97	29.01	289698	290075	
*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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