



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA65R125C7		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001638882					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2234.81 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	0.27	0.27	2701	2701	
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		121		
	non noble metal	iron	7439-89-6	0.903	0.04		404		
	non noble metal	copper	7440-50-8	902.149	40.37	40.42	403680	404205	
	non noble metal	aluminium	7429-90-5	2.987	0.13	0.13	1337	1337	
wire	non noble metal	aluminium	7429-90-5	2.987	0.13	0.13	1337	1337	
encapsulation	organic material	carbon black	1333-86-4	2.372	0.11		1061		
	plastics	epoxy resin	-	219.414	9.82		98180		
	inorganic material	silicondioxide	60676-86-0	942.876	42.20	52.13	421904	521145	
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3525	3525	
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	741	741	
solder	non noble metal	antimony	7440-36-0	0.321	0.01		144		
	noble metal	silver	7440-22-4	0.802	0.04		359		
	non noble metal	tin	7440-31-5	2.086	0.09	0.14	933	1436	
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19		
	non noble metal	iron	7439-89-6	0.145	0.01		65		
	non noble metal	copper	7440-50-8	144.874	6.48	6.49	64826	64910	
*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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