



## Material Content Data Sheet



<b>Sales Product Name</b>				IDP15E65D2		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001005904					
<b>Package</b>				PG-TO220-2-1		<b>Weight*</b>		1963.57 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	0.742	0.04	0.04	378	378	
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383		
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115		
	non noble metal	copper	7440-50-8	751.797	38.29	38.34	382871	383370	
wire	non noble metal	aluminium	7429-90-5	2.551	0.13	0.13	1299	1299	
encapsulation	organic material	carbon black	1333-86-4	6.019	0.31		3065		
	plastics	epoxy resin	-	114.358	5.82		58240		
	inorganic material	silicondioxide	60676-86-0	481.509	24.52	30.65	245221	306526	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7378	7378	
plating	non noble metal	nickel	7440-02-0	0.198	0.01		101		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	1	101	
solder	non noble metal	antimony	7440-36-0	0.070	0.00		36		
	noble metal	silver	7440-22-4	0.175	0.01		89		
	non noble metal	tin	7440-31-5	0.455	0.02	0.03	231	356	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		301		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		90		
	non noble metal	copper	7440-50-8	589.466	30.02	30.06	300201	300592	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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