



## Material Content Data Sheet



<b>Sales Product Name</b>		IDP30E65D2		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001171124						
<b>Package</b>		PG-TO220-2-1		<b>Weight*</b>		1964.34 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	1.287	0.07	0.07	655	655
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
	non noble metal	iron	7439-89-6	0.753	0.04		383	
	non noble metal	copper	7440-50-8	751.797	38.27	38.32	382721	383219
	non noble metal	aluminium	7429-90-5	5.473	0.28	0.28	2786	2786
wire	non noble metal	aluminium	7429-90-5	5.473	0.28	0.28	2786	2786
encapsulation	organic material	carbon black	1333-86-4	5.987	0.30		3048	
	plastics	epoxy resin	-	113.761	5.79		57913	
	inorganic material	silicondioxide	60676-86-0	478.994	24.38	30.47	243845	304806
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7375	7375
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	101	102
solder	non noble metal	antimony	7440-36-0	0.115	0.01		58	
	noble metal	silver	7440-22-4	0.287	0.01		146	
	non noble metal	tin	7440-31-5	0.745	0.04	0.06	379	583
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	iron	7439-89-6	0.590	0.03		300	
	non noble metal	copper	7440-50-8	589.466	30.01	30.05	300084	300474
*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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