



## Material Content Data Sheet



<b>Sales Product Name</b>				IDP30E120		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA000763576					
<b>Package</b>				PG-TO220-2-1		<b>Weight*</b>		1966.07 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	5.181	0.26	0.26	2635	2635	
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	38.24	38.29	382384	382883	
wire	non noble metal	aluminium	7429-90-5	2.664	0.14	0.14	1355	1355	
encapsulation	organic material	carbon black	1333-86-4	5.976	0.30		3040		
	plastics	epoxy resin	-	113.550	5.78		57755		
	inorganic material	silicondioxide	60676-86-0	478.104	24.32	30.40	243178	303973	
leadfinish	non noble metal	tin	7440-31-5	14.668	0.75	0.75	7460	7460	
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	0.272	0.01		138		
	noble metal	silver	7440-22-4	0.681	0.03		346		
	non noble metal	tin	7440-31-5	1.769	0.09	0.13	900	1384	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		300		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		90		
	non noble metal	copper	7440-50-8	589.466	29.98	30.02	299819	300209	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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