



Material Content Data Sheet



Sales Product Name				IDP18E120		Issued		25. September 2017	
MA#				MA000763574					
Package				PG-TO220-2-1		Weight*		1965.13 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	3.674	0.19	0.19	1870	1870	
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	38.25	38.30	382568	383067	
wire	non noble metal	aluminium	7429-90-5	2.582	0.13	0.13	1314	1314	
encapsulation	organic material	carbon black	1333-86-4	5.991	0.30		3049		
	plastics	epoxy resin	-	113.830	5.79		57925		
	inorganic material	silicondioxide	60676-86-0	479.284	24.39	30.48	243895	304869	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7372	7372	
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	0.207	0.01		105		
	noble metal	silver	7440-22-4	0.518	0.03		264		
	non noble metal	tin	7440-31-5	1.346	0.07	0.11	685	1054	
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	30.00	30.04	299963	300353	
*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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