



Material Content Data Sheet



Sales Product Name				IDP04E120		Issued		29. August 2013	
MA#				MA000693846					
Package				PG-TO220-2-1		Weight*		1963.38 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	0.905	0.05	0.05	461	461	
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	382908	383407	
wire	non noble metal	aluminium	7429-90-5	0.634	0.03	0.03	323	323	
encapsulation	organic material	carbon black	1333-86-4	6.034	0.31		3074		
	plastics	epoxy resin	-	114.655	5.84		58397		
	inorganic material	silicondioxide	60676-86-0	482.758	24.59	30.74	245881	307352	
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	232	357	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		90		
	non noble metal	iron	7439-89-6	0.590	0.03		301		
	non noble metal	copper	7440-50-8	589.466	30.02	30.06	300230	300621	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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