



Material Content Data Sheet



Sales Product Name		IDP09E120		Issued		29. August 2013		
MA#		MA000694752						
Package		PG-TO220-2-1		Weight*		1963.92 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	1.678	0.09	0.09	855	855
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	38.27	38.32	382804	383303
wire	non noble metal	aluminium	7429-90-5	1.256	0.06	0.06	640	640
encapsulation	organic material	carbon black	1333-86-4	6.022	0.31		3066	
	plastics	epoxy resin	-	114.409	5.83		58255	
	inorganic material	silicondioxide	60676-86-0	481.722	24.53	30.67	245286	306607
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7376	7376
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	0.114	0.01		58	
	noble metal	silver	7440-22-4	0.284	0.01		145	
	non noble metal	tin	7440-31-5	0.738	0.04	0.06	376	579
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	30.01	30.05	300148	300539
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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