



Material Content Data Sheet



Sales Product Name		IPD85P04P4L-06		Issued		29. August 2013		
MA#		MA000876428						
Package		PG-TO252-3-313		Weight*		318.61 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	2.544	0.80	0.80	7986	7986
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		462	
	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	copper	7440-50-8	147.096	46.17	46.23	461686	462287
wire	non noble metal	aluminium	7429-90-5	4.242	1.33	1.33	13314	13314
encapsulation	organic material	carbon black	1333-86-4	1.379	0.43		4327	
	plastics	epoxy resin	-	24.127	7.57		75726	
	inorganic material	silicondioxide	60676-86-0	112.362	35.27	43.27	352668	432721
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11739	11739
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4459	4470
solder	noble metal	silver	7440-22-4	0.057	0.02		180	
	non noble metal	tin	7440-31-5	0.046	0.01		144	
	non noble metal	lead	7439-92-1	2.195	0.69	0.72	6889	7213
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	6.02	6.03	60192	60270
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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