



Material Content Data Sheet



Sales Product Name		IPD90N06S4-05		Issued		29. August 2013		
MA#		MA000484882						
Package		PG-TO252-3-11		Weight*		392.01 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	3.393	0.87	0.87	8656	8656
leadframe	non noble metal	iron	7439-89-6	0.140	0.04		357	
	inorganic material	phosphorus	7723-14-0	0.042	0.01		107	
	non noble metal	copper	7440-50-8	139.706	35.63	35.68	356382	356846
wire	non noble metal	aluminium	7429-90-5	3.970	1.01	1.01	10128	10128
encapsulation	organic material	carbon black	1333-86-4	1.434	0.37		3657	
	plastics	epoxy resin	-	25.088	6.40		63999	
	inorganic material	silicondioxide	60676-86-0	116.840	29.81	36.58	298053	365709
leadfinish	non noble metal	tin	7440-31-5	3.740	0.95	0.95	9541	9541
plating	non noble metal	nickel	7440-02-0	0.091	0.02		232	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	233
solder	noble metal	silver	7440-22-4	0.074	0.02		188	
	non noble metal	tin	7440-31-5	0.059	0.02		151	
	non noble metal	lead	7439-92-1	2.822	0.72	0.76	7200	7539
heatspreader	inorganic material	phosphorus	7723-14-0	0.028	0.01		72	
	non noble metal	iron	7439-89-6	0.095	0.02		241	
	non noble metal	copper	7440-50-8	94.488	24.10	24.13	241035	241348
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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