



Material Content Data Sheet



Sales Product Name		IPD90N06S4L-06		Issued		29. August 2013		
MA#		MA000484706						
Package		PG-TO252-3-11		Weight*		391.39 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	2.466	0.63	0.63	6300	6300
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	35.70	35.75	356952	357416
wire	non noble metal	aluminium	7429-90-5	3.853	0.98	0.98	9845	9845
encapsulation	organic material	carbon black	1333-86-4	1.443	0.37		3688	
	plastics	epoxy resin	-	25.258	6.45		64534	
	inorganic material	silicondioxide	60676-86-0	117.629	30.05	36.87	300546	368768
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9556	9556
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	0.060	0.02		154	
	non noble metal	tin	7440-31-5	0.048	0.01		123	
	non noble metal	lead	7439-92-1	2.297	0.59	0.62	5869	6146
heatspreader	inorganic material	phosphorus	7723-14-0	0.028	0.01		73	
	non noble metal	iron	7439-89-6	0.095	0.02		242	
	non noble metal	copper	7440-50-8	94.488	24.14	24.17	241421	241736
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com