



Material Content Data Sheet



Sales Product Name		IPD180N10N3 G		Issued		29. August 2013			
MA#		MA000802858							
Package		PG-TO252-3-311		Weight*		313.72 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	2.307	0.74	0.74	7353	7353	
leadframe	non noble metal	iron	7439-89-6	0.162	0.05		518		
	inorganic material	phosphorus	7723-14-0	0.049	0.02		155		
	non noble metal	copper	7440-50-8	162.275	51.72	51.79	517261	517936	
wire	non noble metal	aluminium	7429-90-5	2.417	0.77	0.77	7704	7704	
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.973	0.63		6290		
	plastics	brominated resin	-	2.114	0.67		6740		
	organic material	carbon black	1333-86-4	2.255	0.72		7189		
	plastics	epoxy resin	-	19.029	6.07		60657		
	inorganic material	silicondioxide	60676-86-0	115.586	36.84	44.93	368436	449312	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.19	1.19	11922	11922	
plating	non noble metal	nickel	7440-02-0	0.086	0.03		276		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	276	
solder	non noble metal	tin	7440-31-5	0.034	0.01		110		
	noble metal	silver	7440-22-4	0.043	0.01		137		
	non noble metal	lead	7439-92-1	1.647	0.53	0.55	5251	5498	
*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