



Material Content Data Sheet



Sales Product Name		IPP16CN10N G		Issued		29. August 2013		
MA#		MA000935220						
Package		PG-TO220-3-1		Weight*		2032.09 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	4.517	0.22	0.22	2223	2223
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.12	40.17	401229	401752
wire	non noble metal	aluminium	7429-90-5	6.135	0.30	0.30	3019	3019
encapsulation	organic material	carbon black	1333-86-4	5.902	0.29		2905	
	plastics	epoxy resin	-	112.145	5.52		55187	
	inorganic material	silicondioxide	60676-86-0	472.190	23.24	29.05	232366	290458
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10562	10562
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	120
solder	non noble metal	antimony	7440-36-0	0.287	0.01		141	
	noble metal	silver	7440-22-4	0.716	0.04		353	
	non noble metal	tin	7440-31-5	1.863	0.09	0.14	917	1411
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290078	290455
*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