



Material Content Data Sheet



Sales Product Name		IPP114N12N3 G		Issued		29. August 2013		
MA#		MA000844404						
Package		PG-TO220-3-1		Weight*		2032.52 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	5.755	0.28	0.28	2832	2832
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	40.11	40.16	401145	401668
wire	non noble metal	aluminium	7429-90-5	5.218	0.26	0.26	2567	2567
encapsulation	organic material	carbon black	1333-86-4	5.899	0.29		2902	
	plastics	epoxy resin	-	112.086	5.51		55146	
	inorganic material	silicondioxide	60676-86-0	471.941	23.22	29.02	232195	290243
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10559	10559
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	0.329	0.02		162	
	noble metal	silver	7440-22-4	0.822	0.04		404	
	non noble metal	tin	7440-31-5	2.137	0.11	0.17	1051	1617
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	29.00	29.04	290017	290394
*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