



Material Content Data Sheet



Sales Product Name	IPP80N04S3-06			Issued		29. August 2013		
MA#	MA000363512							
Package	PG-TO220-3-1			Weight*		2035.03 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	3.047	0.15	0.15	1497	1497
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.07	40.12	400650	401172
wire	non noble metal	aluminium	7429-90-5	6.254	0.31	0.31	3073	3073
encapsulation	organic material	carbon black	1333-86-4	8.920	0.44		4383	
	plastics	epoxy resin	-	98.118	4.82		48215	
	inorganic material	silicondioxide	60676-86-0	487.618	23.96	29.22	239613	292211
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10546	10546
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	1	120
solder	noble metal	silver	7440-22-4	0.068	0.00		34	
	non noble metal	tin	7440-31-5	0.055	0.00		27	
	non noble metal	lead	7439-92-1	2.612	0.13	0.13	1283	1344
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	28.97	29.01	289660	290037
*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