



Material Content Data Sheet



Sales Product Name				IPP028N08N3 G		Issued		29. August 2013	
MA#				MA000877260					
Package				PG-TO220-3-1		Weight*		2035.81 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	12.294	0.60	0.60	6039	6039	
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	400497	401018	
wire	non noble metal	aluminium	7429-90-5	9.778	0.48	0.48	4803	4803	
encapsulation	organic material	carbon black	1333-86-4	5.800	0.28		2849		
	plastics	epoxy resin	-	110.195	5.41		54128		
	inorganic material	silicondioxide	60676-86-0	463.981	22.79	28.48	227909	284886	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10542	10542	
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	0.543	0.03		267		
	noble metal	silver	7440-22-4	1.357	0.07		667		
	non noble metal	tin	7440-31-5	3.528	0.17	0.27	1733	2667	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.95	28.99	289548	289925	
*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