



Material Content Data Sheet



Sales Product Name		IPA093N06N3 G		Issued		29. August 2013		
MA#		MA000473318						
Package		PG-TO220-3-111		Weight*		2239.51 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	2.120	0.09	0.09	947	947
leadframe	non noble metal	iron	7439-89-6	1.120	0.05		500	
	inorganic material	phosphorus	7723-14-0	0.336	0.02		150	
	non noble metal	copper	7440-50-8	1118.332	49.94	50.01	499364	500014
wire	non noble metal	aluminium	7429-90-5	2.693	0.12	0.12	1203	1203
encapsulation	organic material	carbon black	1333-86-4	2.211	0.10		987	
	plastics	epoxy resin	-	207.808	9.28		92792	
	inorganic material	silicondioxide	60676-86-0	895.345	39.98	49.36	399795	493574
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3546	3546
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	136
solder	non noble metal	antimony	7440-36-0	0.130	0.01		58	
	noble metal	silver	7440-22-4	0.325	0.01		145	
	non noble metal	tin	7440-31-5	0.845	0.04	0.06	377	580
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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