



Material Content Data Sheet



Sales Product Name		IPW90R1K0C3		Issued		29. August 2013		
MA#		MA000468418						
Package		PG-TO247-3-41		Weight*		6046.46 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	5.558	0.09	0.09	919	919
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		657	
	inorganic material	phosphorus	7723-14-0	1.192	0.02		197	
	non noble metal	copper	7440-50-8	3967.074	65.62	65.71	656098	656952
wire	non noble metal	aluminium	7429-90-5	0.713	0.01	0.01	118	118
encapsulation	organic material	carbon black	1333-86-4	20.040	0.33		3314	
	plastics	epoxy resin	-	380.759	6.30		62972	
	inorganic material	silicondioxide	60676-86-0	1603.198	26.51	33.14	265147	331433
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.302	0.00		50	
	noble metal	silver	7440-22-4	0.754	0.01		125	
	non noble metal	tin	7440-31-5	1.961	0.03	0.04	324	499
*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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