



Material Content Data Sheet



Sales Product Name		IPW50R140CP		Issued		29. August 2013		
MA#		MA000909394						
Package		PG-TO247-3-41		Weight*		6049.64 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	11.898	0.20	0.20	1967	1967
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	65.56	65.65	655752	656606
wire	non noble metal	aluminium	7429-90-5	4.095	0.07	0.07	677	677
encapsulation	organic material	carbon black	1333-86-4	19.952	0.33		3298	
	plastics	epoxy resin	-	379.094	6.27		62664	
	inorganic material	silicondioxide	60676-86-0	1596.186	26.38	32.98	263848	329810
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.524	0.01		87	
	noble metal	silver	7440-22-4	1.310	0.02		217	
	non noble metal	tin	7440-31-5	3.406	0.06	0.09	563	867
*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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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com