



Material Content Data Sheet



Sales Product Name		IPW60R045CPA		Issued		29. August 2013			
MA#		MA000772968							
Package		PG-TO247-3-41		Weight*		6059.16 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	35.449	0.59	0.59	5851	5851	
leadframe	non noble metal	iron	7439-89-6	3.972	0.07		656		
	inorganic material	phosphorus	7723-14-0	1.192	0.02		197		
	non noble metal	copper	7440-50-8	3967.074	65.46	65.55	654723	655576	
wire	non noble metal	aluminium	7429-90-5	3.375	0.06	0.06	557	557	
encapsulation	organic material	carbon black	1333-86-4	19.747	0.33		3259		
	plastics	epoxy resin	-	375.190	6.19		61921		
	inorganic material	silicondioxide	60676-86-0	1579.746	26.07	32.59	260720	325900	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5260	5260	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4797	4797	
solder	non noble metal	antimony	7440-36-0	1.247	0.02		206		
	noble metal	silver	7440-22-4	3.118	0.05		515		
	non noble metal	tin	7440-31-5	8.106	0.13	0.20	1338	2059	
*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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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