



Material Content Data Sheet



Sales Product Name		IPA60R280E6		Issued		29. August 2013			
MA#		MA001076860							
Package		PG-TO220-3-253		Weight*		2134.43 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	5.429	0.25	0.25	2543	2543	
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		670		
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201		
	non noble metal	copper	7440-50-8	1428.770	66.94	67.03	669393	670264	
wire	non noble metal	aluminium	7429-90-5	2.923	0.14	0.14	1369	1369	
encapsulation	organic material	carbon black	1333-86-4	3.347	0.16		1568		
	plastics	epoxy resin	-	130.519	6.11		61149		
	inorganic material	silicondioxide	60676-86-0	535.462	25.09	31.36	250869	313586	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10055	10055	
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826	
solder	non noble metal	antimony	7440-36-0	0.290	0.01		136		
	noble metal	silver	7440-22-4	0.724	0.03		339		
	non noble metal	tin	7440-31-5	1.883	0.09	0.13	882	1357	
*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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