



Material Content Data Sheet



Sales Product Name		IPA60R520E6		Issued		29. August 2013			
MA#		MA000837402							
Package		PG-TO220-3-111		Weight*		2240.01 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	3.425	0.15	0.15	1529	1529	
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	49.93	50.00	499253	499903	
wire	non noble metal	aluminium	7429-90-5	0.661	0.03	0.03	295	295	
encapsulation	organic material	carbon black	1333-86-4	2.212	0.10		988		
	plastics	epoxy resin	-	207.943	9.28		92831		
	inorganic material	silicondioxide	60676-86-0	895.924	40.00	49.38	399964	493783	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3545	3545	
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	0.181	0.01		81		
	noble metal	silver	7440-22-4	0.453	0.02		202		
	non noble metal	tin	7440-31-5	1.178	0.05	0.08	526	809	
*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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