



Material Content Data Sheet



Sales Product Name		IPA60R520CP		Issued		29. August 2013			
MA#		MA000964008							
Package		PG-TO220-3-111		Weight*		2240.41 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	3.934	0.18	0.18	1756	1756	
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	49.92	49.99	499164	499814	
wire	non noble metal	aluminium	7429-90-5	0.765	0.03	0.03	341	341	
encapsulation	organic material	carbon black	1333-86-4	2.211	0.10		987		
	plastics	epoxy resin	-	207.796	9.27		92749		
	inorganic material	silicondioxide	60676-86-0	895.293	39.96	49.33	399611	493347	
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	0.238	0.01	0.11	106	1061	
	noble metal	silver	7440-22-4	0.595	0.03		265		
	non noble metal	tin	7440-31-5	1.546	0.07		690		
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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