



Material Content Data Sheet



Sales Product Name		IPA60R520E6		Issued		23. January 2015		
MA#		MA001318962						
Package		PG-TO220-3-111		Weight*		2240.15 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	0.687	0.03		307	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.63	30.67	306328	306727
wire	non noble metal	aluminium	7429-90-5	0.661	0.03	0.03	295	295
encapsulation	organic material	carbon black	1333-86-4	2.226	0.10		994	
	plastics	epoxy resin	-	208.059	9.29		92877	
	inorganic material	silicondioxide	60676-86-0	895.596	39.99	49.38	399793	493664
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	399792	136
solder	non noble metal	antimony	7440-36-0	0.215	0.01		96	
	noble metal	silver	7440-22-4	0.537	0.02		240	
	non noble metal	tin	7440-31-5	1.397	0.06	0.09	624	960
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.29	19.32	192893	193144
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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.

This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com