



Material Content Data Sheet



Sales Product Name		IPA60R250CP		Issued		29. August 2013			
MA#		MA000846964							
Package		PG-TO220-3-111		Weight*		2236.34 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	7.176	0.32	0.32	3209	3209	
leadframe	non noble metal	iron	7439-89-6	1.120	0.05		501		
	inorganic material	phosphorus	7723-14-0	0.336	0.02		150		
	non noble metal	copper	7440-50-8	1118.332	50.01	50.08	500073	500724	
wire	non noble metal	aluminium	7429-90-5	2.791	0.12	0.12	1248	1248	
encapsulation	organic material	carbon black	1333-86-4	2.235	0.10		999		
	plastics	epoxy resin	-	206.400	9.23		92294		
	inorganic material	silicondioxide	60676-86-0	886.730	39.65	48.98	396510	489803	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.36	0.36	3551	3551	
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	0.297	0.01		133		
	noble metal	silver	7440-22-4	0.743	0.03		332		
	non noble metal	tin	7440-31-5	1.932	0.09	0.13	864	1329	
*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.

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