



Material Content Data Sheet



Sales Product Name				IPA60R125P6		Issued		10. September 2014	
MA#				MA001137980					
Package				PG-TO220-3-111		Weight*		2237.91 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	12.221	0.55	0.55	5461	5461	
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	30.66	30.70	306636	307035	
wire	non noble metal	aluminium	7429-90-5	2.778	0.12	0.12	1242	1242	
encapsulation	organic material	carbon black	1333-86-4	2.254	0.10		1007		
	plastics	epoxy resin	-	205.635	9.19		91888		
	inorganic material	silicondioxide	60676-86-0	881.634	39.40	48.69	393954	486850	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3549	3549	
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	1	136	
solder	non noble metal	antimony	7440-36-0	0.535	0.02		239		
	noble metal	silver	7440-22-4	1.337	0.06		597		
	non noble metal	tin	7440-31-5	3.475	0.16	0.24	1553	2389	
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	19.31	19.34	193087	193338	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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

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