



Material Content Data Sheet



Sales Product Name				IPA60R520C6		Issued		23. January 2015	
MA#				MA001318916					
Package				PG-TO220-3-111		Weight*		2240.14 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	306330	306729	
wire	non noble metal	aluminium	7429-90-5	0.645	0.03	0.03	288	288	
encapsulation	organic material	carbon black	1333-86-4	2.226	0.10		994		
	plastics	epoxy resin	-	208.059	9.29		92878		
	inorganic material	silicondioxide	60676-86-0	895.596	39.99	49.38	399796	493668	
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	399795	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	192894	193145	
*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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