



Material Content Data Sheet



Sales Product Name		IPA60R600C6		Issued		29. August 2013		
MA#		MA001096720						
Package		PG-TO220-3-111		Weight*		2240.13 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	3.063	0.14	0.14	1367	1367
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	0.701	0.03	0.03	313	313
encapsulation	organic material	carbon black	1333-86-4	2.213	0.10		988	
	plastics	epoxy resin	-	207.992	9.28		92848	
	inorganic material	silicondioxide	60676-86-0	896.135	40.01	49.39	400036	493873
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	1	136
solder	non noble metal	antimony	7440-36-0	0.200	0.01		89	
	noble metal	silver	7440-22-4	0.499	0.02		223	
	non noble metal	tin	7440-31-5	1.297	0.06	0.09	579	891
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	192895	193146
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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