



Material Content Data Sheet



Sales Product Name		IPA65R600C6		Issued		29. August 2013		
MA#		MA001042648						
Package		PG-TO220-3-111		Weight*		2240.21 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	3.294	0.15	0.15	1470	1470
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	306320	306719
wire	non noble metal	aluminium	7429-90-5	0.711	0.03	0.03	318	318
encapsulation	organic material	carbon black	1333-86-4	2.212	0.10		987	
	plastics	epoxy resin	-	207.942	9.28		92822	
	inorganic material	silicondioxide	60676-86-0	895.918	40.00	49.38	399928	493738
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	0.209	0.01		93	
	noble metal	silver	7440-22-4	0.523	0.02		234	
	non noble metal	tin	7440-31-5	1.361	0.06	0.09	608	935
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	iron	7439-89-6	0.433	0.02		193	
	non noble metal	copper	7440-50-8	432.110	19.29	19.32	192888	193139
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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