



Material Content Data Sheet



Sales Product Name		IPA65R600E6		Issued		29. August 2013			
MA#		MA001042646							
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	306321	306720	
wire	non noble metal	aluminium	7429-90-5	0.714	0.03	0.03	319	319	
encapsulation	organic material	carbon black	1333-86-4	2.212	0.10		987		
	plastics	epoxy resin	-	207.941	9.28		92822		
	inorganic material	silicondioxide	60676-86-0	895.916	40.00	49.38	399925	493735	
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	192889	193140	
*deviation	< 10%					Sum in total:	100.00		1000000

Important Remarks:

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