



Material Content Data Sheet



Sales Product Name		IPA60R280P6		Issued		29. August 2013		
MA#		MA001134036						
Package		PG-TO220-3-111		Weight*		2239.98 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	5.826	0.26	0.26	2601	2601
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	30.64	30.68	306352	306751
wire	non noble metal	aluminium	7429-90-5	2.610	0.12	0.12	1165	1165
encapsulation	organic material	carbon black	1333-86-4	2.237	0.10		999	
	plastics	epoxy resin	-	207.262	9.25		92529	
	inorganic material	silicondioxide	60676-86-0	890.893	39.78	49.13	397723	491252
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	0.312	0.01		139	
	noble metal	silver	7440-22-4	0.779	0.03		348	
	non noble metal	tin	7440-31-5	2.025	0.09	0.13	904	1391
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	192908	193159
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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