



Material Content Data Sheet



Sales Product Name		IPA60R385CP		Issued		29. August 2013		
MA#		MA000410906						
Package		PG-TO220-3-121		Weight*		2240.75 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	5.064	0.23	0.23	2260	2260
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	30.62	30.66	306247	306646
wire	non noble metal	aluminium	7429-90-5	0.724	0.03	0.03	323	323
encapsulation	organic material	carbon black	1333-86-4	2.208	0.10		985	
	plastics	epoxy resin	-	207.570	9.26		92634	
	inorganic material	silicondioxide	60676-86-0	894.316	39.93	49.29	399114	492734
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3544	3544
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	0.283	0.01		126	
	noble metal	silver	7440-22-4	0.708	0.03		316	
	non noble metal	tin	7440-31-5	1.841	0.08	0.12	822	1264
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	19.28	19.31	192842	193093
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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