



Material Content Data Sheet



Sales Product Name		IPP60R600CP		Issued		29. August 2013		
MA#		MA000754068						
Package		PG-TO220-3-1		Weight*		2030.81 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	3.544	0.17	0.17	1745	1745
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401481	402005
wire	non noble metal	aluminium	7429-90-5	0.755	0.04	0.04	372	372
encapsulation	organic material	carbon black	1333-86-4	5.960	0.29		2935	
	plastics	epoxy resin	-	113.233	5.58		55757	
	inorganic material	silicondioxide	60676-86-0	476.769	23.48	29.35	234768	293460
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10568	10568
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	non noble metal	antimony	7440-36-0	0.222	0.01		109	
	noble metal	silver	7440-22-4	0.554	0.03		273	
	non noble metal	tin	7440-31-5	1.440	0.07	0.11	709	1091
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290261	290639
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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